

ANTIBODIES FOR DIABETES RESEARCH

Abbexa is a supplier of biological tools, providing the scientific community with primary antibodies, secondary antibodies, proteins, ELISA kits and enzymes as well as other kits and tools for use in research.

Working with various laboratories across the World, we aim to develop relevant, high quality, tested products for the biomedical research market.



Primary
Antibodies



ELISA
Kits



Enzymes



Secondary
Antibodies



Chemicals
and
Reagents



Proteins
and
Peptides

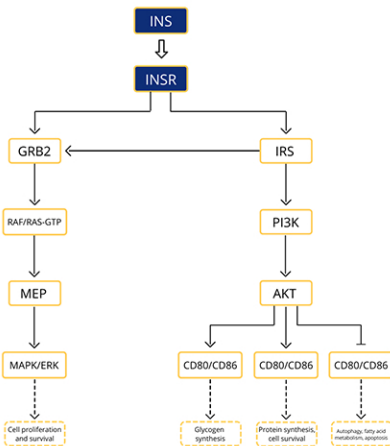
INS, INSR



Insulin (INS) is a peptide that forms dimers and hexamers in serum, and regulates the metabolism of various macronutrients. It is best known for its ability to decrease blood sugar concentrations by triggering the uptake of glucose by adipose, liver, and muscle tissue. It mediates its effects via insulin receptor, which is a tyrosine kinase.

Ablation of the insulin-producing pancreatic beta cells by an autoimmune reaction occurs in type 1 diabetes mellitus, and mutations in the gene can cause a similar phenotype.

INSR (Insulin Receptor) is a Protein Coding gene. Diseases associated with INSR include Insulin-Resistant Diabetes Mellitus.



abx001702

Sizes: 20µl, 50µl, 100µl, 200µl, 1ml
 Reactivity: Mouse
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB
 Immunogen: Recombinant protein of human INSR
 Isotype: IgG

abx025361, abx025362

Sizes: 361 - 100µl 362 - 80µl, 400µl
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: WB
 Immunogen: KLH-conjugated synthetic peptide between 35-64 amino acids from human INSR
 Isotype: IgM

abx411436, abx411435

Sizes: 0.2mg
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: ELISA, IHC
 Immunogen: Recombinant human insulin
 Isotype: IgG

INSR

abx113118

Sizes: 30µl, 100µl, 200µl
 Reactivity: Human, Mouse, Rabbit, Monkey
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB, IHC
 Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human insulin Receptor (pY1355). The exact sequence is proprietary.
 Isotype: IgG

abx133002

Sizes: 30µl, 100µl, 200µl
 Reactivity: Human, Mouse, Rabbit, Chicken, Dog, Monkey
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB, IHC, IF/ICC
 Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human insulin Receptor (pY1361). The exact sequence is proprietary. | Isotype: IgG

abx234336

Sizes: 100µg
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, WB, IHC
 Immunogen: Insulin receptor
 Isotype: IgG

abx131775

Sizes: 100µg, 200µg, 1mg
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: WB, IHC, IF/ICC, IP
 Immunogen: Recombinant insulin Receptor (Pro622-Thr945) expressed in E. coli.
 Isotype: IgG2b Kappa

abx329883

Sizes: 50µg, 100µg
 Reactivity: Human, Mouse, Rat, Monkey
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, WB
 Immunogen: Synthesized peptide derived from human Insulin R around the non-phosphorylation site of Y1361.
 Isotype: IgG2

abx000670

Sizes: 20µl, 50µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: Recombinant protein of human INSR
Isotype: IgG

abx009103

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat, Chicken, Dog, Monkey
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IP
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human insulin receptor. The exact sequence is proprietary.

abx012916

Sizes: 10µg, 100µg, 200µg, 300µg, 1mg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human Stathmin around the phosphorylation site of threonine 1374 (H-TP-L-P)
Isotype: IgG

abx326379

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IF/ICC
Immunogen: Synthesized peptide derived from human Insulin R around the non-phosphorylation site of Y999
Isotype: IgG

abx329002

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC
Immunogen: Synthesized peptide derived from human Insulin R around the non-phosphorylation site of T1375
Isotype: IgG

abx323163

Sizes: 50µg, 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC, IF/ICC
Immunogen: Synthesized peptide derived from human Insulin R around the non-phosphorylation site of Y1355
Isotype: IgG

abx323226

Sizes: 50µg, 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: Synthetic peptide from human protein at AA range 811-860.
Isotype: IgG

abx033580

Sizes: 50µl, 200µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: KLH-conjugated synthetic peptide between 21-52 amino acids from the N-terminal region of human INSR (Insulin receptor)
Isotype: IgG

abx034683

Sizes: 80µl, 400µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: KLH-conjugated synthetic peptide between 826-854 amino acids from the N-terminal region of human INSR.
Isotype: IgG

abx113158

Sizes: 50µl, 150µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: Human INSR
Isotype: IgG

abx133192

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Insulin Receptor. The exact sequence is proprietary.
Isotype: IgG

abx145127

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC
Immunogen: Recombinant fragment corresponding to 220-430aa of human INSR
Isotype: IgG

abx302359

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC, IF/ICC
Immunogen: Recombinant Human Insulin receptor protein (1023-1298AA).
Isotype: IgG

abx316977, abx316976, abx316975

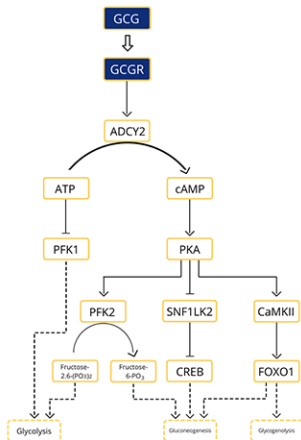
Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant Human Insulin receptor protein (1023-1298AA).
Isotype: IgG
Conjugation: 977 - Biotin, 976 - FITC, 975 - HRP

GCG, GCGR

GCG (Glucagon) is a Protein Coding gene. Diseases associated with GCG include Hyperglycemia and Hypoglycemia.

Glucagon is best known for its role in glucose metabolism and homeostasis. It regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis.

Glucagon also plays an important role in controlling blood glucose levels. Defects in this gene are a cause of non-insulin-dependent diabetes mellitus (NIDDM).



GCG

abx339306

Sizes: 50µl, 100µl
 Reactivity: Human
 Host: Rabbit
 Clonality: Monoclonal
 Tested Applications: ELISA, IHC
 Immunogen: Synthetic peptide of human GCG.
 Isotype: IgG

abx117036

Sizes: 100µg
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, WB, IHC
 Immunogen: Recombinant protein of human GCG.
 Isotype: IgG

abx233496

Sizes: 100µg
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, IHC
 Immunogen: Glucagon
 Isotype: IgG

abx001034

Sizes: 20µl, 50µl, 100µl, 200µl
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: IHC
 Immunogen: Recombinant protein of human GCG.
 Isotype: IgG

abx09229

Sizes: 30µl, 100µl, 200µl
 Reactivity: Human, Mouse, Rat, Cow, Dog, Pig, Sheep
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB, IHC, IF/ICC
 Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Glucagon. The exact sequence is proprietary.
 Isotype: IgG

abx330081

Sizes: 50µg, 100µg
 Reactivity: Human, Mouse, Rat, Monkey
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, WB, IHC, IF/ICC
 Immunogen: Synthesized peptide derived from the internal region of human GCG.
 Isotype: IgG

abx011863

Sizes: 100µl
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: ELISA, WB
 Immunogen: Purified recombinant fragment of human GCG expressed in E. Coli.
 Isotype: IgG

abx013090

Sizes: 10µg, 20µg, 100µg, 200µg, 300µg, 1mg
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, WB, IF/ICC
 Immunogen: The antiserum was produced against synthesized peptide derived from internal of human glucagon.
 Isotype: IgG

abx213670, abx339307

Sizes: 50µl, 100µl
 Reactivity: Human (670 + Mouse, Rat)
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, IHC
 Immunogen: Synthetic peptide of human GCG.
 Isotype: IgG

abx025307

Sizes: 80µl, 400µl
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB
Immunogen: KLH-conjugated synthetic peptide between 119-148 amino acids from human Glucagon.
Isotype: IgG1 Kappa

abx032840

Sizes: 80µl, 400µl
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, FCM
Immunogen: KLH-conjugated synthetic peptide between 25-54 amino acids from the N-terminal region of human GCG.
Isotype: IgG

abx032992

Sizes: 80µl, 400µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, FCM
Immunogen: KLH-conjugated synthetic peptide between 119-148 amino acids from the C-terminal region of human Glucagon.
Isotype: IgG

abx241652, abx213854, abx214484

Sizes: 50µl, 100µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: Synthetic peptide of human GCG.
Isotype: IgG

GCGR

abx009228

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Glucagon Receptor. The exact sequence is proprietary.

abx034152

Sizes: 80µl, 400µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: KLH-conjugated synthetic peptide selected from the C-terminal region of human FOXC1.
Isotype: IgG

abx318196

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Recombinant Human Glucagon receptor protein (26-136AA).
Isotype: IgG

abx328169

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IF/ICC
Immunogen: Synthesized peptide derived from the internal region of human Glucagon receptor.
Isotype: IgG

abx214221, abx213856

Sizes: 50µl, 100µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB (221 +IHC)
Immunogen: Synthetic peptide of human GCGR.
Isotype: IgG

abx314834

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant Human Glucagon receptor protein (26-136AA).
Isotype: IgG
Conjugation: Biotin

abx314834, abx314833, abx314832

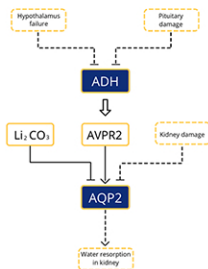
Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant Human Glucagon receptor protein (26-136AA).
Isotype: IgG
Conjugation: 834 - Biotin, 833 - FITC, 832 - HRP

ADH, AQP2

Arginine Vasopressin (AVP, also known as Antidiuretic Hormone, gene name ADH) is a peptide hormone that controls water levels in the body. It is released in response to high osmolarity in tissue fluid; it stimulates water retention in the kidney by stimulating the insertion of aquaporin 2 (AQP2) into the apical membrane, and it constricts arterioles to increase blood pressure.

ADH deficiency can lead to diabetes insipidus; symptoms include polyuria and high blood sodium content.

Aquaporin 2 (AQP2) is a member of a family of proteins that allow water to enter and exit the cell more easily than they would do so if relying on osmosis alone through hydrophobic lipid bilayers. AQP2 is found on the collecting ducts of the kidneys, where it reabsorbs water from urine. Some cases of diabetes insipidus can be caused by low levels of AQP2, either through genetically-induced deficiency, or from downregulation resulting from the intake of lithium salts.



ADH

abx447346
Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Produced against the C-terminal peptide (Sequence N-CLKGLEPDTD-WEEREVRRRQ) of rat aquaporin 2



abx447346
Conjugations:
346 - HRP 345 - FITC 344 - Biotin
350 - Streptavidin 349 - RPE 348 - PerCP
336 - ATTO 565 335 - ATTO 488
334 - ATTO 390 343 - APC 342 - ALP
347 - PE-ATTO 594 341 - ATTO 700
340 - ATTO 680 339 - ATTO 655
338 - ATTO 633 337 - ATTO 594

AQP2

abx102799
Sizes: 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: AQP2 (His177-Ala271)

abx135401, abx135402, abx135403
Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant Human Aquaporin-2 protein (225-271AA).
Isotype: IgG
Conjugation: 401 - HRP, 402 - FITC, 403 - Biotin

abx301034
Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IF/ICC
Immunogen: Recombinant Human Aquaporin-2 protein (225-271AA).
Isotype: IgG

abx121278
Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat, Cow, Dog, Pig, Sheep
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AQP2. The exact sequence is proprietary.

abx037604
Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: A peptide corresponding to C terminal of human Aquaporin 2 protein.
Isotype: IgG

abx214861, abx214609
Sizes: 50µl, 100µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: Synthetic peptide of human AQP2
Isotype: IgG

abx330026
Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat, Monkey
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Synthesized peptide derived from human AQP2 around the non-phosphorylation site on S256.
Isotype: IgG

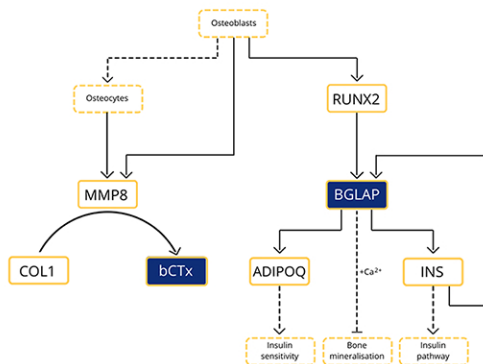
abx433090, abx433091
Sizes: 200µl
Reactivity: Human
Host: Goat
Clonality: Polyclonal
Tested Applications: P-ELISA (091 + IHC)
Immunogen: N-Term IgG: STAGKVMKCKA
Isotype: IgG
Conjugation: Biotin

bCTx, BGLAP

Beta-Cross Laps (bCTx) measures C-terminal telopeptide of type I collagen and has thus been proposed as a reliable serum marker for bone resorption.

Osteocalcin (also known as bone gamma-carboxyglutamic acid-containing protein, BGLAP) is a protein hormone produced by osteoblasts used to regulate bone growth.

It contains multiple vitamin K-dependent gamma-carboxyglutamic (GLA) domains that bind calcium, potentially explaining why calcium and vitamin K2 deficiencies often result in osteoporosis. The uncarboxylated isoform of BGLAP appears to have different functions relating to insulin production.



bCTx

abx175572
Sizes: 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: abx165510 - bCTx conjugated to OVA

BGLAP

abx411104, abx411103, abx411102
Sizes: 0.2mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA
Immunogen: Recombinant human osteocalcin GST fusion protein
Isotype: IgG1 (104 - IgG2a)

abx411105
Sizes: 0.2mg
Reactivity: Cow
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA
Immunogen: Native bovine osteocalcin
Isotype: IgG2a

abx411350

Sizes: 1ml
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Synthetic peptide corresponding to amino acids 37-49 of human osteocalcin to Keyhole limpet Haemocyanin.
Isotype: IgG

abx339886, abx210914, abx339884, abx339885

Sizes: 50µl, 100µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: Synthetic peptide of human BGLAP
Isotype: IgG