

INS polyclonal antibody

Catalog # PAB16616 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant INS.
Immunogen	Recombinant protein corresponding to human INS.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Lyophilized
Recommend Usage	ELISA (1-2 ug/mL) Immunohistochemistry (2-10 ug/mL) Western Blot (2-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

Gene Info — INS

Entrez GeneID [3630](#)

Protein Accession#	P01308
Gene Name	INS
Gene Alias	ILPR, IRDN
Gene Description	insulin
Omim ID	125850 176730
Gene Ontology	Hyperlink
Gene Summary	After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two chains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this mature form of insulin to the insulin receptor (INSR) stimulates glucose uptake. A variety of mutant alleles with changes in the coding region have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. [provided by RefSeq]
Other Designations	OTTHUMP00000011161 OTTHUMP00000011162 OTTHUMP00000196038 proinsulin

Publication Reference

- [Silencing of three Amblyomma americanum \(L.\) insulin-like growth factor binding protein-related proteins prevents ticks from feeding to repletion.](#)
Mulenga A, Khumthong R.
The Journal of Experimental Biology 2010 Apr; 213(Pt 7):1153.
- [Expression of TAU in insulin-secreting cells and its interaction with the calcium-binding protein secretagogen.](#)
Maj M, Gartner W, Ilhan A, Neziri D, Attems J, Wagner L.
The Journal of Endocrinology 2010 Jan; 205(1):25.
- [FXR activation reverses insulin resistance and lipid abnormalities and protects against liver steatosis in Zucker \(fa/fa\) obese rats.](#)
Cipriani S, Mencarelli A, Palladino G, Fiorucci S.
Journal of Lipid Research 2009 Sep; 51(4):771.

Pathway

- [Insulin signaling pathway](#)
- [Maturity onset diabetes of the young](#)

- [mTOR signaling pathway](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Regulation of autophagy](#)
- [Type I diabetes mellitus](#)
- [Type II diabetes mellitus](#)

Disease

- [Addison Disease](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Autoimmune polyglandular syndrome](#)
- [Bile Duct Neoplasms](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Colorectal Neoplasms](#)

- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hirsutism](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Oligomenorrhea](#)
- [Osteoporosis](#)

- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Polyendocrinopathies](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Stomach Neoplasms](#)
- [Thrombophilia](#)
- [Thyroid Diseases](#)
- [Thyroiditis](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)