

Rabbit INS Antibody | anti-INS antibody

INS Antibody

CATALOG # AAA266706	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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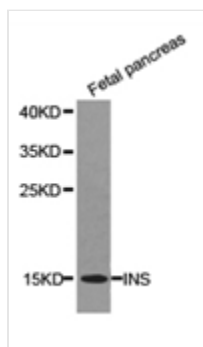
PRODUCT SYNONYMS

INS; INS Antibody; ILPR; IRDN; IDDM2; MODY10; Insulin; anti-INS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	110
Applicable Applications for anti-INS antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human INS
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze/thaw cycles.

IMAGES



Application Data

Western blot analysis of extracts of fetal pancreas cell lines, using INS antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-INS antibody	The maintenance of glucose homeostasis is an essential physiological process that is regulated by hormones. An elevation in blood glucose levels during feeding stimulates insulin release from pancreatic beta cells through a glucose sensing pathway (1). Insulin is synthesized as a precursor molecule, proinsulin, which is processed prior to secretion. A- and B-peptides are joined together by a disulfide bond to form insulin, while the central portion of the precursor molecule is cleaved and released as the C-peptide. Insulin stimulates glucose uptake from blood into skeletal muscle and adipose tissue. Insulin deficiency leads to type 1 diabetes mellitus (2).
Product Categories/Family for anti-INS antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

References	1. Straub, S.G. and Sharp, G.W. (2002) Diabetes Metab. Res. Rev. 18, 451-463. 2. Concannon, P. et al. (1998) Nat. Genet. 19, 292-296.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557671
NCBI GeneID	3630
NCBI Accession #	NP_000198.1
NCBI GenBank Nucleotide #	NM_000207.2
UniProt Accession #	P01308; Q5EEX2
Molecular Weight	12kDa
NCBI Official Full Name	insulin preproprotein
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/ins/266706>