

Rabbit anti-Human Insulin Polyclonal Antibody | anti-INS antibody

Insulin Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA162956	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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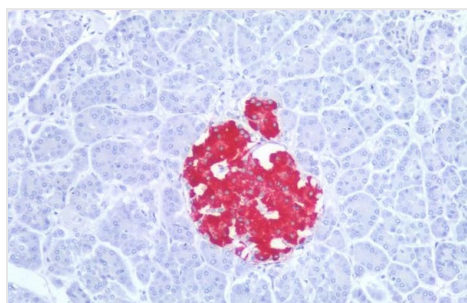
PRODUCT SYNONYMS

Insulin; Polyclonal Antibody; Insulin Rabbit anti-Human Polyclonal Antibody; PathPlus Insulin Antibody; INS; IRDN; IDDM2; Preproinsulin; ILPR; MODY10; Proinsulin; anti-INS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-INS antibody	WB (Simple Western Blot), IHC (Immunohistochemistry)
Target	Human Insulin
Immunogen	LP-10704, synthetic peptide
Conjugation	Unconjugated
Family	Hormone
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Insulin Antibody-Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)


WB (Western Blot)

Insulin Antibody-Anti-Insulin antibody (AAA162956, 20 ug/mL) yields a specific band on capillary Western analysis (Protein Simple, WES, 2-40 kDa separation system) in 0.25 mg/mL human insulin overexpression lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-INS antibody	Insulin antibody is an unconjugated rabbit polyclonal antibody to Insulin from human. Validated for IHC and SWB. Insulin (INS) is a peptide hormone that plays a vital role in the regulation of glucose levels in the blood. Insulin is produced as a precursor (proinsulin) which is then cleaved into three peptides: the A and B chains, which are joined by disulfide bonds to become insulin, and C-peptide. Binding of insulin to its receptor (INSR) stimulates glucose uptake. Insulin is secreted in response to glucose, and a variety of hormones such as melatonin, estrogen, leptin, growth hormone and glucagon like peptide-1. Expression is specific to the beta cells of the islets of Langerhans in the pancreas.
References	Curr Diabetes Rev 2013 9(1):25

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557671
NCBI GeneID	3630
NCBI Accession #	NP_000198.1
NCBI GenBank Nucleotide #	NM_000207
UniProt Accession #	P01308; Q5EEX2
Molecular Weight	14kDa
NCBI Official Full Name	insulin preproprotein
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	ILPR; IRDN; IDDM2; MODY10
NCBI Protein Information	insulin; proinsulin; preproinsulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_HUMAN

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://www.aaabiotech.com/polyclonal/insulin-antibody-simple-western-blot-immunohistochemistry-elisa/162956>