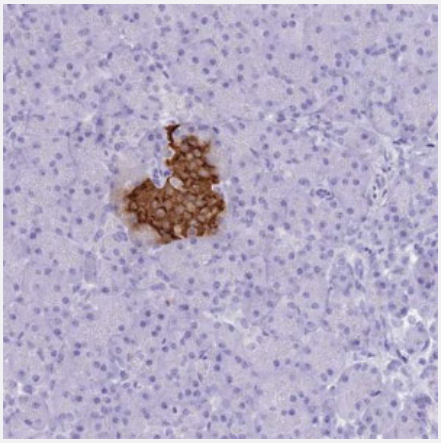
INS polyclonal antibody

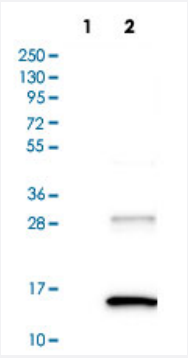
Catalog # PAB30238 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with INS polyclonal antibody (Cat # PAB30238) shows cytoplasmic positivity in islets of Langerhans at 1:2500 - 1:5000 dilution.



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with INS polyclonal antibody (Cat # PAB30238) at 1:100 - 1:250 dilution
Lane 1: Negative control (vector only transfected HEK293T lysate)
Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human INS.
Immunogen	Recombinant protein corresponding to amino acids of human INS.
Sequence	SHLVEALYLVCGERGFFYTPKTRREAEDLQVGQVELGGGPGAGSLQPLALEGSLQKRGIVEQCC TSICSLYQLENYC
Host	Rabbit

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Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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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

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Gene Summary	After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two ch ains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this m ature form of insulin to the insulin receptor (INSR) stimulates glucose uptake. A variety of mutant al leles with changes in the coding region have been identified. There is a read-through gene, INS-I GF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. [provid ed by RefSeq
Other Designations	OTTHUMP00000011161|OTTHUMP00000011162|OTTHUMP00000196038|proinsulin

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

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- 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

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- 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

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- Weight Gain

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