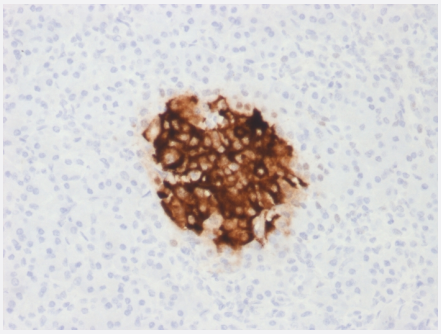
RecomAb™ Sm Size

INS recombinant monoclonal antibody, clone rIRDN/805

Catalog # RAB08883 Size 20 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with INS recombinant monoclonal antibody, clone rIRDN/805 (Cat # RAB00497).

Specification

Product Description	Mouse recombinant monoclonal antibody raised against full length recombinant human INS.
Antibody Species	Mouse
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human INS.
Theoretical MW (kDa)	6
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.

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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)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with INS recombinant monoclonal antibody, clone rIRDN/805 (Cat # RAB00497).

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 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

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- 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

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- 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

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- 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

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