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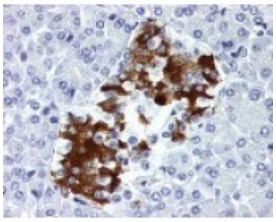
Insulin Antibody [8E2] (HRP)

CATALOG NUMBER: 49-910



Immunohistochemistry staining of Insulin in pancreas tissue using Insulin Monoclonal Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC
APPLICATIONS:	Insulin antibody can be used in immunohistochemistry starting at 10 - 20 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Does not cross-react with free C-peptide.
IMMUNOGEN:	Insulin monoclonal antibody was raised against pufified Insulin (Human).
HOST SPECIES:	Mouse

Properties

PURIFICATION:	Protein A Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS, pH 7.4, 0.05% Proclin 300
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Store Insulin antibody at 4 ˚C or -20 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1,k
CONJUGATE:	HRP

Additional Info

ALTERNATE NAMES:	INS, IRDN, IDDM2, Preproinsulin, ILPR, Insulin, MODY10, Proinsulin
ACCESSION NO.:	P01308
PROTEIN GI NO.:	124617
OFFICIAL SYMBOL:	INS
GENE ID:	3630

Background

BACKGROUND:	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.

FOR RESEARCH USE ONLY

December 13, 2016