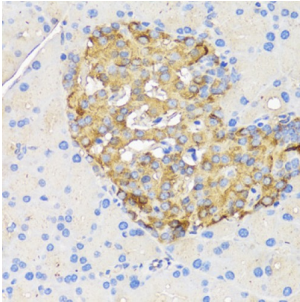
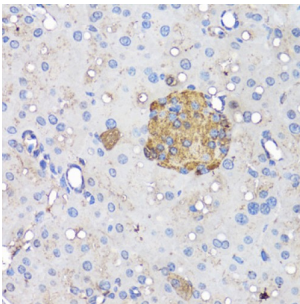


Insulin (INS) Antibody

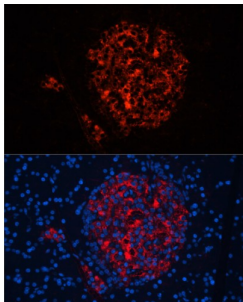
Catalogue No.: abx001702



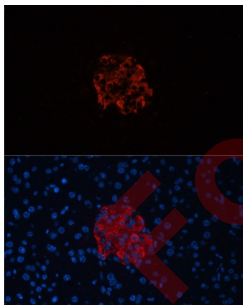
Immunohistochemistry of paraffin-embedded Rat pancreatic islet using INS Antibody (1/50 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse pancreatic islet using INS Antibody (1/50 dilution, 40x lens).



Immunofluorescence analysis of Rat pancreas using INS Antibody (1/100 dilution). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Mouse pancreas using INS Antibody (1/100 dilution). Blue: DAPI for nuclear staining.

INS Antibody is a Rabbit Polyclonal antibody against INS. After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants.

Target: Insulin (INS)

Datasheet

Version: 4.0.0
Revision date: 14 Jun 2025



Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human INS
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P01308 (UniProt , ExPASy)
Gene Symbol:	INS
GeneID:	3630
NCBI Accession:	NP_000198.1
KEGG:	hsa:3630
String:	9606.ENSP00000380432
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.