SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0159-200	600 µg

Anti-INS

Source: Goat

General description: Goat polyclonal to Insulin. Insulin is a 6 kDa peptide, first synthesized as a precursor molecule, preproinsulin which is then processed into proinsulin and finally to the mature insulin. An increase in blood glucose levels during stimulates insulin release from pancreatic ? cells. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake.

Alternative names: IDDM, IDDM1, IDDM2, ILPR, IRDN, MODY10 antibody.

Form: ?Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant human Insulin produced in E. coli as a fusion protein.

Specificity: Gives a positive signal using MBP-Insulin recombinant fusion protein by WB.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	ND	ND
Rat	+++	+++	+++	ND	ND
Mouse	+++	+++	+++	ND	ND
Canine	+++	+++	+++	ND	ND
Monkey	+++	+++	+++	ND	ND

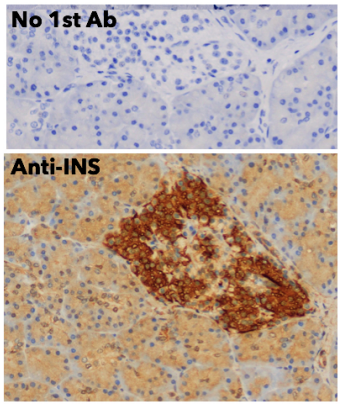
+++ excellent, ++ good, + poor, ND not determined

Usage:

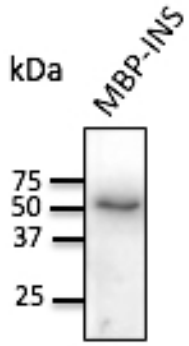
WB:	1:250-1:2,000
IHC (F):	1:250-1:1,000
IHC (P):	1:250-1:1,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

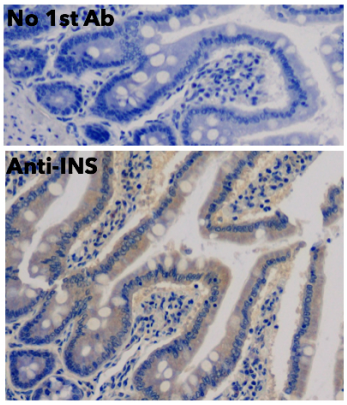
Special instructions: The antibody solution should be gently mixed before use..



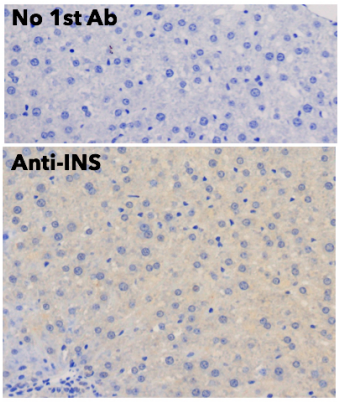
IHC of human pancreas using anti-INS antibody and FFPE tissue after heat-induced antigen retrieval. Anti-INS Ab at 1:750/DAB detection;



Anti-INS Ab at 1/1,000 dilution; 20 ng of recombinant protein per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



IHC of mouse stomach using anti-INS antibody and FFPE tissue after heat-induced antigen retrieval. Anti-INS Ab at 1:750/DAB detection;



IHC of mouse liver using anti-INS antibody and FFPE tissue after heat-induced antigen retrieval. Anti-INS Ab at 1:750/DAB detection;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.