Datasheet for ABIN722601

anti-Insulin antibody

1 Publication

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Overview

Quantity:	100 µL
Target:	Insulin (INS)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Insulin antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	Recombinant human Insulin protein
Clone:	1G11
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein G.

Target Details

Target:	Insulin (INS)
Alternative Name:	Insulin (INS Products)
Background:	Synonyms: ILPR, INS, Insulin A chain, Insulin B chain, Insulin A chain, Insulin precursor, IRDN,

Target Details

	Proinsulin, Proinsulin precursor, IDDM2, INS_HUMAN, MODY10. Background: Insulin is a pancreatic hormone that regulates glucose and is involved in the synthesis of protein and fat. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. Heterodimer of a B chain and an A chain linked by two disulfide bonds.Belongs to the insulin family. The insulin-link growth factors, IGF-I and IGF-II (also desinated somatomedin C and multiplication stimulating activator, respectvely), share approximatly 76 % sequence identity and are 50 % related to pro-insulin.IGF-I and IGF-II are nonglycosylated, single chain proteins of 70 and 76 amino acids in length, respectivelly. IGF-I functions as an autocrine regulator of growth in vaious, whereas the function of IGF-II is less well defined.
Gene ID:	3630
Pathways:	NF-kappaB Signaling, RTK Signaling, Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, Hormone Activity, Carbohydrate Homeostasis, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Autophagy, Negative Regulation of intrinsic apoptotic Signaling, Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	IHC-P 1:200-400
	IF(IHC-P) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date:	12 months

Publications

Product cited in:	Zöllner, Jouni, Panzer, Khadour, Janzen, Wesche, Ten Berg, Schellong, Heinken, Greinacher, Bakchoul: "Platelet activation in the presence of neutral protamine Hagedorn insulin: a new feature of antibodies against protamine/heparin complexes." in: **Journal of thrombosis and haemostasis : JTH**, (2016) (PubMed).