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Datasheet for ABIN7425869 anti-Insulin antibody (AA 25-110)

2 Images



Overview

Quantity:	100 µL
Target:	Insulin (INS)
Binding Specificity:	AA 25-110
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Insulin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Insulin (INS)
Immunogen:	Recombinant Insulin (INS) corresdonding to Phe25~Asn110 with N-terminal His and GST Tag
Clone:	H10
lsotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against INS. It has been selected for its ability to recognize INS in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Protein A + Protein G affinity chromatography

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Target Details

Target:	Insulin (INS)
Alternative Name:	Insulin (INS Products)
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

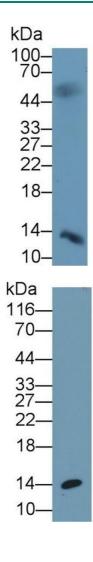
Application Details

Application Notes:	Western blotting: 0.5-3 µg/mL
	Immunohistochemistry: 5-30 µg/mL
	Immunocytochemistry: 5-30 µg/mL
	Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at 37° C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

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Western Blotting

Image 1. Detection of INS in Mouse Pancreas lysate using Monoclonal Antibody to Insulin (INS)

Western Blotting

Image 2. Detection of INS in Porcine Pancreas lysate using Monoclonal Antibody to Insulin (INS)

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