



INSIG1 mouse mAb

Catalog No	YP-mAb-17803
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	INSIG1
Immunogen	Synthesized peptide derived from human INSIG1
Specificity	This antibody detects endogenous levels of INSIG1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CL 6;INSIG 1;INSIG-1;insulin induced gene 1;Insulin induced gene 1 protein; INSIG1;Insulin-induced gene 1 protein (INSIG-1)
Observed Band	35 kDa
Calculated Molecular Weight	30 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in all tissues tested with highest expression in the liver.
Function	Oxysterol-binding protein that mediates feedback control of cholesterol synthesis by controlling both endoplasmic reticulum to Golgi transport of SCAP and degradation of HMGCR . Acts as a negative regulator of cholesterol biosynthesis by mediating the retention of the SCAP-SREBP complex in the endoplasmic reticulum, thereby blocking the processing of sterol regulatory element-binding proteins (SREBPs) SREBF1/SREBP1 and SREBF2/SREBP2 . Binds oxysterol, including 25-hydroxycholesterol, regulating interaction with SCAP and retention of the SCAP-SREBP complex in the endoplasmic reticulum . In presence of oxysterol, interacts with SCAP, retaining the SCAP-SREBP complex in the endoplasmic reticulum, thereby preventing SCAP from escorting SREBF1/SREBP1 and SREBF2/SREBP2 to the Golgi . Sterol deprivation or phosphorylation by PCK1 reduce oxysterol-binding, disrupting the interaction



between INS

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images