



INSIG1 mouse mAb

Catalog No	YP-mAb-17803
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	INSIG1
Protein Name	Insulin-induced gene 1 protein (INSIG-1)
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	
Observed Band	30kD
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