



STIM2 mouse mAb

Catalog No	YP-mAb-17280
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STIM2 KIAA1482
Immunogen	Synthesized peptide derived from human C-terminal STIM2
Specificity	This antibody detects endogenous levels of STIM2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	mouse, Monoclonal
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIAA1482;STIM2;stromal interaction molecule 2;STIM2 KIAA1482
Calculated Molecular Weight	754 aa, 85 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Dynamically translocates from a uniform endoplasmic reticulum distribution to punctual endoplasmic reticulum-plasma membrane junctions in response to decrease in endoplasmic reticulum Ca(2+) concentration.
Tissue Specificity	Expressed in all tissues and tumor cell lines examined.
Function	Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores. Functions as a highly sensitive Ca(2+) sensor in the endoplasmic reticulum which activates both store-operated and store-independent Ca(2+)-influx. Regulates basal cytosolic and endoplasmic reticulum Ca(2+) concentrations. Upon mild variations of the endoplasmic reticulum Ca(2+) concentration, translocates from the endoplasmic reticulum to the plasma membrane where it probably activates the Ca(2+) release-activated Ca(2+) (CRAC) channels ORAI1, ORAI2 and ORAI3. May inhibit STIM1-mediated Ca(2+) influx.
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