



# STIM2 rabbit pAb

<b>Catalog No</b>	YP-Ab-17280
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	IHC, WB
<b>Gene Name</b>	STIM2 KIAA1482
<b>Protein Name</b>	Stromal interaction molecule 2
<b>Immunogen</b>	Synthesized peptide derived from human C-terminal STIM2
<b>Specificity</b>	This antibody detects endogenous levels of STIM2 at Human, Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Rabbit, polyclonal
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000 IHC 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Stromal interaction molecule 2
<b>Calculated Molecular Weight</b>	82kD
<b>Observed Band</b>	
<b>Cell Pathway</b>	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.
<b>Tissue Specificity</b>	Expressed in all tissues and tumor cell lines examined.
<b>Function</b>	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