

## STIM1 rabbit pAb

<b>Catalog No :</b>	YT8094
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;WB
<b>Target :</b>	STIM1
<b>Gene Name :</b>	STIM1 GOK
<b>Protein Name :</b>	Stromal interaction molecule 1
<b>Human Gene Id :</b>	6786
<b>Human Swiss Prot No :</b>	Q13586
<b>Mouse Gene Id :</b>	20866
<b>Mouse Swiss Prot No :</b>	P70302
<b>Rat Gene Id :</b>	361618
<b>Rat Swiss Prot No :</b>	P84903
<b>Immunogen :</b>	Synthesized peptide derived from human N-terminal STIM1
<b>Specificity :</b>	This antibody detects endogenous levels of STIM1 at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	75kD
<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 . Acts as Ca(2+) sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca(2+) depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca(2+) release-activated Ca(2+) (CRAC) channel subunit ORAI1 . Involved in enamel formation . Activated following interaction with STIMATE, leading to promote STIM1 conformational switch .
<b>Subcellular Location :</b>	Cell membrane; Single-pass type I membrane protein . Endoplasmic reticulum membrane; Single-pass type I membrane protein . Cytoplasm, cytoskeleton . Sarcoplasmic reticulum . Translocates from the endoplasmic reticulum to the cell membrane in response to a depletion of intracellular calcium and is detected at punctae corresponding to junctions between the endoplasmic reticulum and the cell membrane (PubMed:19249086, PubMed:16005298, PubMed:16208375, PubMed:18854159). Associated with the microtubule network at the growing distal tip of microtubules (PubMed:19632184). Colocalizes with ORAI1 at the cell membrane (PubMed:27185316). Colocalizes preferentially with CASQ1 at endoplasmic reticulum in response to a depletion of intracellular calcium (PubMed:27185316). .
<b>Expression :</b>	Ubiquitously expressed in various human primary cells and tumor cell lines.

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