

For Research Use Only

STIM1 Recombinant antibody

Catalog Number: 81156-1-RR



Basic Information

Catalog Number: 81156-1-RR	GenBank Accession Number: BC021300	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6786	CloneNo.: 1B13
Source: Rabbit	Full Name: stromal interaction molecule 1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Calculated MW: 685 aa, 77 kDa	
Immunogen Catalog Number: AG2140	Observed MW: 77 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, NIH/3T3 cells, HepG2 cells, A549 cells, LNCaP cells, Jurkat cells, K-562 cells, Raji cells, RAW 263.7 cells, HSC-T6 cells, C6 cells
Species Specificity: Human, mouse, rat	

Background Information

STIM1, also named as GOK, is an ER Ca²⁺ sensor. Upon Ca²⁺ store depletion, STIM1 clusters at ER-plasma membrane junctions where it interacts with and gates Ca²⁺-permeable Orai1 ion channels. STIM1 is implicated in tumor growth suppression and stromal-haematopoietic cell interactions. Defects in STIM1 gene can cause immune dysfunction with impaired T-cell activation. STIM1 can inhibit L-type voltage-gated Ca(2+) channels in neurons. Temperature is an important regulator of STIM1 function.

Storage

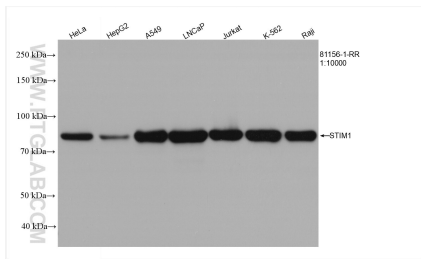
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81156-1-RR (STIM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.