

For Research Use Only

ORAI1 Polyclonal antibody

Catalog Number: 28637-1-AP



Basic Information

Catalog Number: 28637-1-AP	GenBank Accession Number: BC015369	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 84876	
Source: Rabbit	Full Name: ORAI calcium release-activated calcium modulator 1	
Isotype: IgG	Calculated MW: 301 aa, 33 kDa	
Immunogen Catalog Number: AG29779	Observed MW: 32 kDa, 45-50 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
Human

Background Information

Store-operated calcium channels (SOCs) play essential functions in various physiological processes. ORAI1 is a complex glycosylated protein, it exists in several molecular weight forms: a theoretical molecular weight of 32.7 kDa of the unmodified protein and two major glycosylated proteins of ~43 kDa and ~50 kDa (PMID: 22318387). Human patients with a severe combined immunodeficiency (SCID) syndrome possess point mutations in Orai1 gene.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

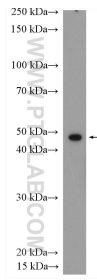
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

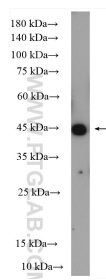
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 28637-1-AP (ORAI1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



A549 cells were subjected to SDS PAGE followed by western blot with 28637-1-AP (ORAI1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.