

For Research Use Only

ORAI1 Monoclonal antibody, PBS Only



Catalog Number: 66223-1-PBS

Basic Information

Catalog Number: 66223-1-PBS	GenBank Accession Number: BC015369	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84876	CloneNo.: 3C12F9
Source: Mouse	UNIPROT ID: Q96D31	
Isotype: IgG2a	Full Name: ORAI calcium release-activated calcium modulator 1	
Immunogen Catalog Number: AG18050	Calculated MW: 301 aa, 33 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

Store-operated calcium channels (SOCs) play essential functions in various physiological processes. Orai1 (also named CRACM1) is a critical molecular component of SOCs. Orai1 protein is a 32-55 kDa plasma membrane protein with 4 transmembrane domains. Human patients with a severe combined immunodeficiency (SCID) syndrome possess point mutations in Orai1 gene.

Storage

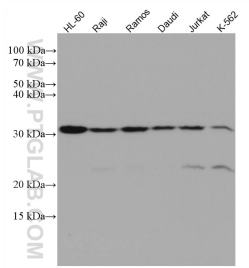
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

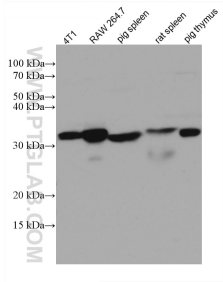
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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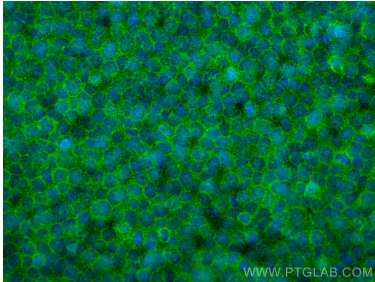
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66223-1-Ig (ORAI1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66223-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ORAI1 antibody (66223-1-Ig, Clone: 3C12F9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66223-1-PBS in a different storage buffer formulation.