For Research Use Only

ORAI1 Monoclonal antibody

Catalog Number:66223-1-Ig 39 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
66223-1-Ig

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG18050

GenBank Accession Number:
BC015369

GeneID (NCBI):
84876

UNIPROT ID:
Q96D31

Full Name:
ORAI calcium release-activated calcium modulator 1

Calculated MW:
301 aa, 33 kDa

Observed MW:
32 kDa

Purification Method:
Protein A purification

CloneNo.:
3C12F9

Recommended Dilutions:
WB: 1:5000-1:30000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat, pig

Cited Species:
human, mouse, rat, pig, monkey, chicken, bovine, sheep

Positive Controls:

WB : HL-60 cells, 4T1 cells, A375 cells, RAW 264.7 cells, pig spleen tissue, rat spleen tissue, pig thymus tissue, Raji cells, Ramos cells, Daudi cells, Jurkat cells, K-562 cells

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 combinaed immunodeficiency (SCID) syndrome possess point mutations in Orai1 gene.

Notable Publications

Author	Pubmed ID	Journal	Application
Bingbing Zhang	32981726	J Dairy Sci	WB
Yu Chen	34592660	Cell Calcium	WB
Chunming Gu	36109490	Oncogenesis	WB

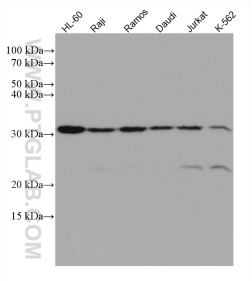
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

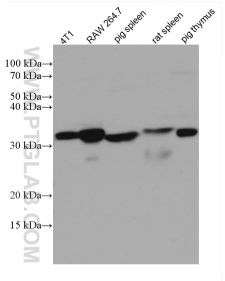
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



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.