

For Research Use Only

ORAI1 Polyclonal antibody

Catalog Number: 13130-1-AP

Featured Product

43 Publications



Basic Information

Catalog Number:

13130-1-AP

Size:

150ul, Concentration: 267 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3758

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:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, zebrafish

Positive Controls:

WB : Jurkat cells, mouse ovary tissue, PC-3 cells, A375 cells, mouse spleen tissue

IF/ICC : HEK-293 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 combined immunodeficiency (SCID) syndrome possess point mutations in Orai1 gene.

Notable Publications

Author	Pubmed ID	Journal	Application
Yoshikazu Inoh	28966111	Biochim Biophys Acta	WB
Tong Lin	33002827	Phytomedicine	WB
Basma Sukkar	30453283	Cell Physiol Biochem	

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)

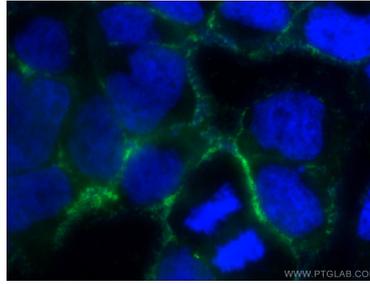
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 13130-1-AP (ORAI1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 13130-1-AP (ORAI1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).