

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

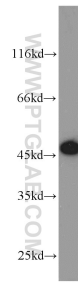
For technical support and original validation data for this product please contact:

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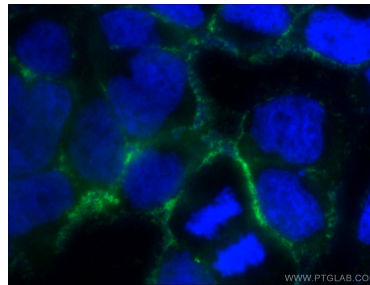
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## Selected Validation Data



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).