

For Research Use Only

ORAI3 Recombinant antibody

Catalog Number: 84340-2-RR



Basic Information

Catalog Number:

84340-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36135

GenBank Accession Number:

BC006126

GeneID (NCBI):

93129

UNIPROT ID:

Q9BRQ5

Full Name:

ORAI calcium release-activated calcium modulator 3

Calculated MW:

295 aa, 32 kDa

Observed MW:

~30 kDa, ~60 kDa

Purification Method:

Protein A purification

CloneNo.:

241568A2

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, MCF-7 cells, A549 cells

IF/ICC : Jurkat cells,

Background Information

ORAI3, also named TMEM142C, is a key regulator or component of store-operated Ca²⁺ channels and transcription factor NFAT nuclear import. ORAI3 channels appeared to differ from Orai1 and -2 in being somewhat resistant to Ca²⁺ depotentiation. The molecular weight of monomers and dimers for Orai3 is about 30-35 kDa and 60-70 kDa (PMID: 20971921; 17293345; 22580508).

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

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

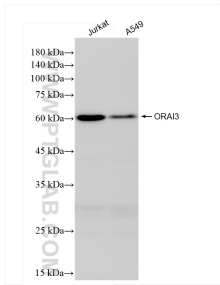
T: 4006900926

E: Proteintech-CN@ptglab.com

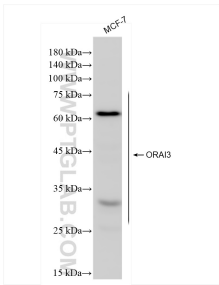
W: ptgcn.com

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

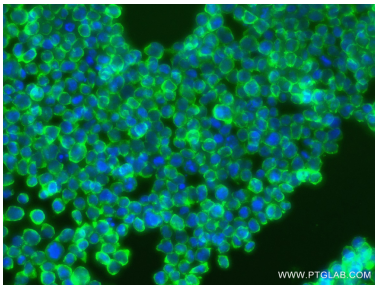
Selected Validation Data



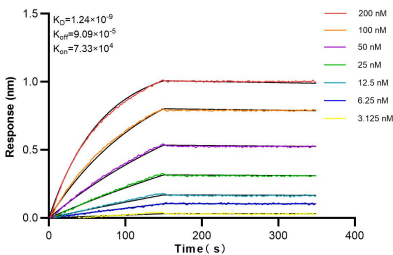
Various lysates were subjected to SDS PAGE followed by western blot with 84340-2-RR (ORAI3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 84340-2-RR (ORAI3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ORAI3 antibody (84340-2-RR, Clone: 241568A2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84340-2-RR against Human ORAI3 were performed. The affinity constant is 1.24 nM.