

For Research Use Only

ORAI3 Recombinant antibody

Catalog Number: 84340-2-RR



Basic Information

Catalog Number: 84340-2-RR	GenBank Accession Number: BC006126	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 93129	CloneNo.: 241568A2
Source: Rabbit	UNIPROT ID: Q9BRQ5	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: ORAI calcium release-activated calcium modulator 3	
Immunogen Catalog Number: AG36135	Calculated MW: 295 aa, 32 kDa	
	Observed MW: ~30 kDa ~60 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	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

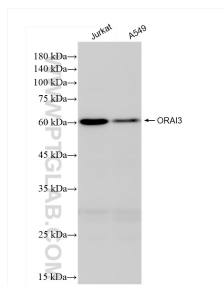
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

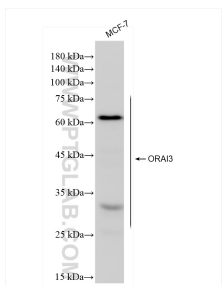
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

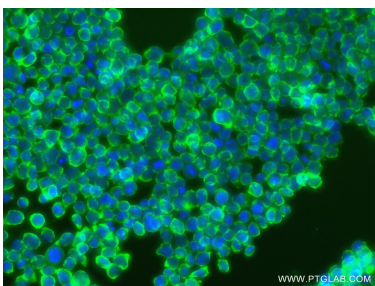
Selected Validation Data



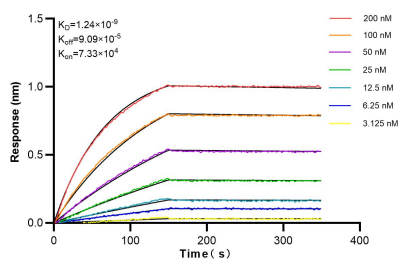
Various lysates were subjected to SDS PAGE followed by western blot with 84340-2-RR (ORAI3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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.