

For Research Use Only

CRACR2A Monoclonal antibody

Catalog Number: 66787-1-Ig **Featured Product**



Basic Information

Catalog Number: 66787-1-Ig	GenBank Accession Number: BC004524	Purification Method: Protein G purification
Size: 150ul , Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84766	CloneNo.: 4C1F5
Source: Mouse	Full Name: EF-hand calcium binding domain 4B	Recommended Dilutions: WB 1:1000-1:6000 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 46 kDa	
Immunogen Catalog Number: AG7525	Observed MW: 80-90 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human	WB : HEK-293 cells, Jurkat cells, Daudi cells, Ramos cells IF : HEK-293 cells,

Background Information

CRACR2A (also called CRAC regulator 2A, EFCAB4B) is a cytoplasmic Ca²⁺ sensor predominantly expressed in lymphocytes. It has two isoforms: a long isoform of CRACR2A-a around 80-90 kDa and a short isoform of CRACR2A-c around 46 kDa. CRACR2A-c is involved in the regulation of Ca²⁺-NFAT signaling. CRACR2A-a exists in a GTP- and Golgi membrane-bound form in resting T cells, while it is present in subsynaptic vesicles that translocated from the Golgi region to the immunological synapse after ligation of TCRs. This antibody recognizes both of CRACR2A-c and CRACR2A-a.

Storage

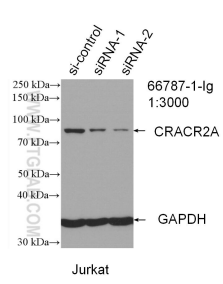
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

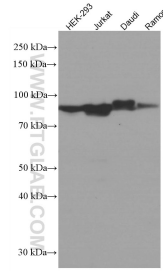
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

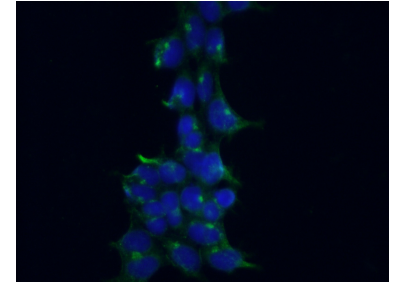
Selected Validation Data



WB result of CRACR2A antibody (66787-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CRACR2A transfected Jurkat cells.



Various lysates were subjected to SDS PAGE followed by western blot with 66787-1-Ig (CRACR2A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 66787-1-Ig (CRACR2A antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).