

For Research Use Only

VAV1 Recombinant monoclonal antibody

Catalog Number:86933-2-RR



Basic Information

Catalog Number: 86933-2-RR	GenBank Accession Number: BC013361	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7409	CloneNo.: 251870A5
Source: Rabbit	UNIPROT ID: P15498	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: vav 1 guanine nucleotide exchange factor	
Immunogen Catalog Number: AG38665	Calculated MW: 845 aa, 98 kDa	
	Observed MW: 98 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : Jurkat cells, THP-1 cells, K-562 cells, Raji cells IF/ICC : Jurkat cells,

Background Information

Vav proteins mainly act as enzymes that catalyze the activation step of Rho subfamily GTPases during cell signaling. There are three family members: VAV1, VAV2 and VAV3. Vav1 is specifically expressed in the hematopoietic system, whereas Vav2 and Vav3 are more ubiquitously expressed (PMID:14607270). Vav1 is physiologically active as a GDP/GTP nucleotide exchange factor (GEF) in the hematopoietic system (PMID:31654719).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

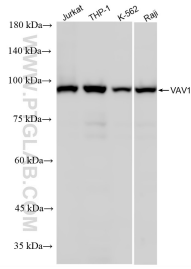
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

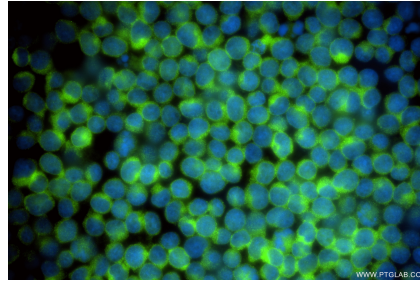
E: proteintech@ptglab.com
W: ptglab.com

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

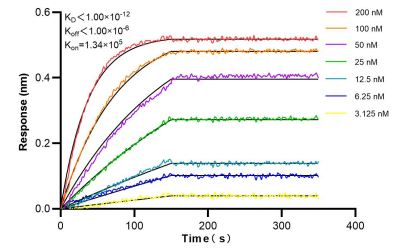
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 86933-2-RR (VAV1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using VAV1 antibody (86933-2-RR, Clone: 251870A5) at dilution of 1:500 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bi-layer interferometry (BLI) kinetic assays of 86933-2-RR against Human VAV1 were performed. The affinity constant is below 1 pM.