

For Research Use Only

DOCK8 Recombinant antibody

Catalog Number: 83270-2-RR



Basic Information

Catalog Number: 83270-2-RR	GenBank Accession Number: BC019102	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 81704	CloneNo.: 230441A2
Source: Rabbit	UNIPROT ID: Q8NF50	Recommended Dilutions: WB 1:5000-1:50000 IF 1:50-1:500
Isotype: IgG	Full Name: dedicator of cytokinesis 8	
Immunogen Catalog Number: AG34585	Calculated MW: 2031 aa, 231 kDa	
	Observed MW: 239 kDa	

Applications

Tested Applications: WB, IF, FC, ELISA	Positive Controls: WB : Ramos cells, Raji cells, THP-1 cells IF : THP-1 cells,
Species Specificity: Human	

Background Information

DOCK8 is a member of the DOCK family of proteins, which have a unique DRH2 domain enabling them to act as GEFs and so controlling a range of cellular processes in various signaling pathways (PMID: 12432077). The specific target of DOCK8 is Cell division control protein 42 homolog (Cdc42), a small GTPase that is involved in regulation of the cell cycle and forms a complex. DOCK8 also acts as a scaffold molecule in this complex that initiates actin polymerization via the Wiskott-Aldrich Syndrome protein (WASp) (PubMed: 28028151, PubMed: 22461490).

Storage

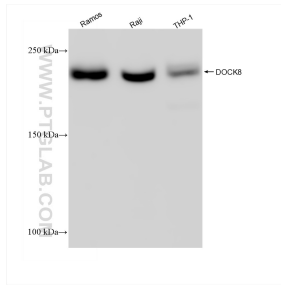
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

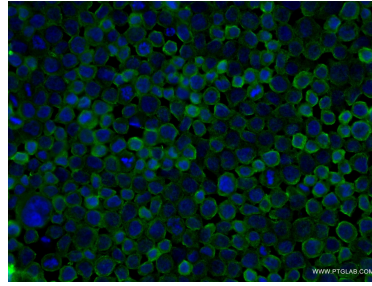
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

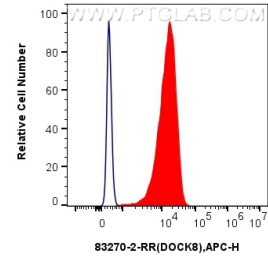
Selected Validation Data



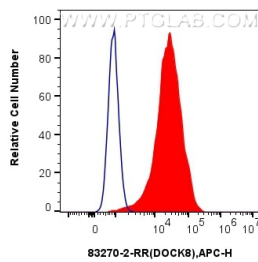
Various lysates were subjected to SDS PAGE followed by western blot with 83270-2-RR (DOCK8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using DOCK8 antibody (83270-2-RR, Clone: 230441A2) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1×10^6 THP-1 cells were intracellularly stained with 0.25 ug DOCK8 Recombinant antibody (83270-2-RR, Clone:230441A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 HeLa cells were intracellularly stained with 0.25 ug DOCK8 Recombinant antibody (83270-2-RR, Clone:230441A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).