

For Research Use Only

RHOH Polyclonal antibody

Catalog Number: 27263-1-AP



Basic Information

Catalog Number: 27263-1-AP	GenBank Accession Number: BC014261	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 730 ug/ml by Nanodrop;	GeneID (NCBI): 399	Recommended Dilutions: WB: 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q15669	
Isotype: IgG	Full Name: ras homolog gene family, member H	
Immunogen Catalog Number: AG26127	Calculated MW: 191 aa, 21 kDa	
	Observed MW: 21 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, Raji cells, Ramos cells
Species Specificity: human	

Background Information

RHOH is also named ARHH and TTF. RHOH is a member of the RHO GTPase family, which orchestrates a wide range of cellular processes, such as cytoskeletal reorganization, vesicle trafficking, cell cycle, cell polarity, and cell migration (PMID: 33547421, PMID: 29233866). Unlike typical RHO GTPases that undergo cycling between inactive GDP-bound and active GTP-bound conformation, RHOH lacks intrinsic GTPase activity and remains in a constitutively GTP-bound form (PMID: 11809807). RHOH exhibits high expression in T cells and plays crucial roles in T cell development, activation and differentiation, and undergoes degradation in lysosomes following TCR stimulation (PMID: 17119112, PMID: 30339851, PMID: 19950172). RhoH has been found to regulate proliferation, survival, migration and engraftment of hematopoietic progenitor cells (HPCs), IL-3 signaling in a B cell line, FcεRI-dependent signal transduction in mast cells, and differentiation in eosinophils (PMID: 36108062).

Storage

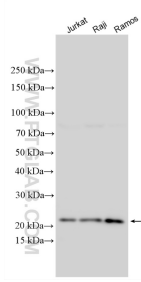
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27263-1-AP (RHOH antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.