

For Research Use Only

Multi-rAb® RHOA Multi-Recombinant antibody

Catalog Number: RMX00030



Basic Information

Catalog Number: RMX00030	GenBank Accession Number: BC005976	Purification Method: N/A
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 387	Recommended Dilutions: WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:200-1:800 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: P61586	
Isotype: IgG	Full Name: ras homolog gene family, member A	
	Calculated MW: 22 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HL-60 cells, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

IF/ICC : HeLa cells,

Background Information

RhoA is a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. Overexpression of RhoA is associated with tumor cell proliferation and metastasis. RhoA signalling is critical to many cellular processes, including migration, mechanotransduction, and is often disrupted in carcinogenesis.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

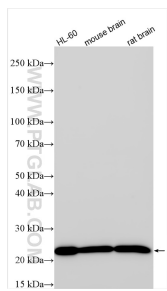
For technical support and original validation data for this product please contact:

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

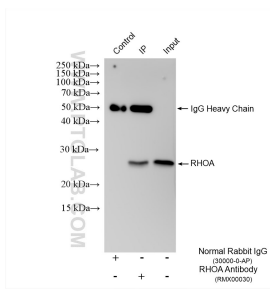
E: proteintech@ptglab.com
W: ptglab.com

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

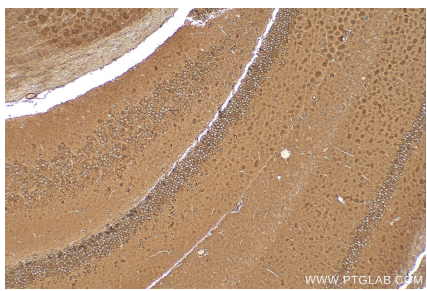
Selected Validation Data



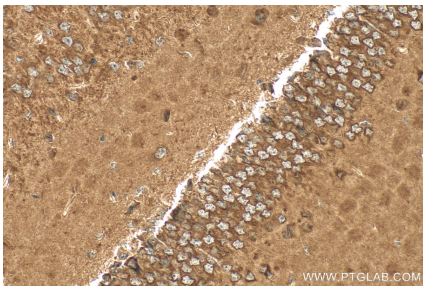
Various lysates were subjected to SDS PAGE followed by western blot with RMX00030 (RHOA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



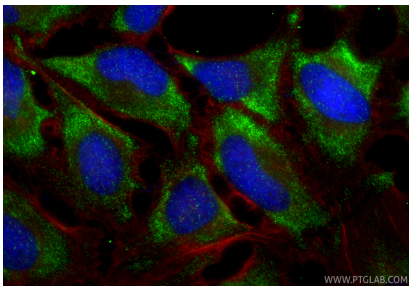
IP result of anti-RHOA (IP:RMX00030, 4ug; Detection:RMX00030 1:8000) with mouse brain tissue lysate 1960 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00030 (RHOA antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00030 (RHOA antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using RHOA antibody (RMX00030) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).