

RHOA

Polyclonal ANTIBODY

Catalog Number: 10749-1-AP

39 Publications

Basic Information

Catalog Number:
10749-1-AP

Size:
53 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG1141

GenBank Accession Number:
BC005976

GeneID (NCBI):
387

Full Name:
ras homolog gene family, member A

Calculated MW:
22 kDa

Observed MW:
22 kDa

Recommended Dilutions:

WB 1:500-1:2000

IF 1:50-1:500

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : HL-60 cells; MCF-7 cells, PC-12 cells, rat brain tissue

IF : 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Kai Cui	27678468	Asian J Androl	WB,IHC
Jing Wang	26409448	Tumour Biol	WB
Caressa D Lietman	28886156	PLoS One	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this

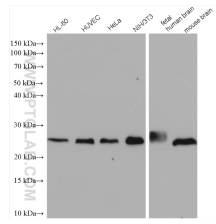
product please contact:

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

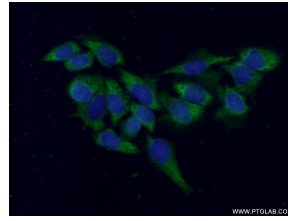
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10749-1-AP (RHOA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunofluorescent analysis of (-20 Ethanol) fixed HeLa cells using 10749-1-AP(RHOA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)