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RHOA Polyclonal antibody

Catalog Number:TS-1384 Featured Product 221 Publications

Basic Information

Catalog Number:
10749-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1141

GenBank Accession Number:
BC005976

GeneID (NCBI):
387

UNIPROT ID:
P61586

Full Name:
ras homolog gene family, member A

Calculated MW:
22 kDa

Observed MW:
22 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:8000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC: 1:200-1:800

Applications

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

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, pig, canine

Positive Controls:

WB : HeLa cells, MCF-7 cells, rat brain tissue, PC-12 cells, HL-60 cells, mouse brain tissue, HUVEC cells, NIH/3T3 cells, fetal human brain tissue

IP : mouse brain tissue, HL-60 cells

IF/ICC : HeLa cells, K-562 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
Lichan Mao	36247873	Anal Cell Pathol (Amst)	WB
Kai Cui	27678468	Asian J Androl	WB,IHC
Jing Wang	26409448	Tumour Biol	WB

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