ARHGAP32 Polyclonal antibody

Catalog Number:15024-1-AP   **1 Publications**

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
15024-1-AP	BC000277	Antigen affinity purification
Size:	**GeneID (NCBI):**	**Recommended Dilutions:**
200 μg/ml	9743	WB 1:500-1:1000
Source:	**UNIPROT ID:**	IHC 1:50-1:500
Rabbit	A7KAX9	
Isotype:	**Full Name:**	
IgG	Rho GTPase-activating protein	
Immunogen Catalog Number:	**Calculated MW:**	
AG7104	231 kDa	
	Observed MW:	
	220 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
mouse

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 : HeLa cells,

IHC : mouse testis tissue, mouse brain tissue

Background Information

ARHGAP32, also known as RICS, belongs to the PX domain-containing GAP family. ARHGAP32 encodes a neuron-associated GTPase-activating protein that regulates dendritic spine morphology and strength. ARHGAP32 also can interact with RhoA and β-catenin, thereby inhibiting phosphorylation of LIMK/cofilin and promoting epithelial-to-mesenchymal transition (EMT) process. ARHGAP32 is highly expressed in brain and testis (PMID: 30888095, PMID: 32205841).

Notable Publications

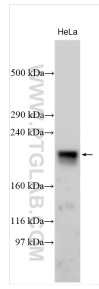| Author	Pubmed ID	Journal	Application
Ping Lu	38142716	J Nutr Biochem	WB

Storage

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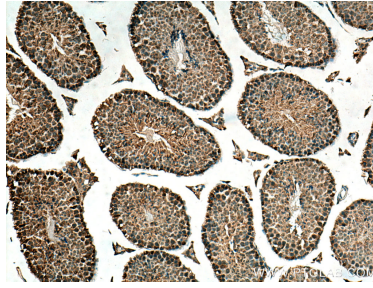Aliquoting is unnecessary for -20°C storage

Selected Validation Data

HeLa cells were subjected to Tris-Acetate gel system followed by western blot with 15024-1-AP (ARHGAP32 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15024-1-AP (ARHGAP32 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).