For Research Use Only

ARHGAP32 Polyclonal antibody

Catalog Number:15024-1-AP 1 Publications

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Basic Information

Catalog Number:
15024-1-AP

Size:
200 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7104

GenBank Accession Number:
BC000277

GeneID (NCBI):
9743

UNIPROT ID:
A7KAX9

Full Name:
Rho GTPase-activating protein

Calculated MW:
231 kDa

Observed MW:
220 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

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°C. 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

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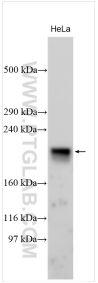
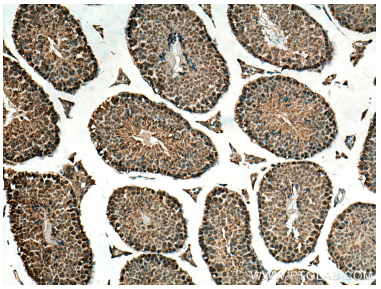
Selected Validation Data



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).