

For Research Use Only

RHOG-Specific Polyclonal antibody

Catalog Number: 19671-1-AP



Basic Information

Catalog Number:

19671-1-AP

Size:

150ul, Concentration: 270 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001665

GeneID (NCBI):

391

UNIPROT ID:

P84095

Full Name:

ras homolog gene family, member G (rho G)

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, 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 : MDA-MB-453s cells, C6 cells, HeLa cells, MCF-7 cells, Neuro-2a cells, NIH/3T3 cells

IHC : mouse kidney tissue,

Background Information

RHOG, also named as ARHG, belongs to the small GTPase superfamily and Rho family. It is required for the formation of membrane ruffles during macropinocytosis. And it is required for the formation of cup-like structures during trans-endothelial migration of leukocytes. In case of Salmonella enterica infection, it is activated by SopB and SGEF, which induces cytoskeleton rearrangements and promotes bacterial entry. This antibody is specific to RHOG.

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

*** 20ul sizes contain 0.1% BSA

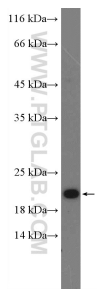
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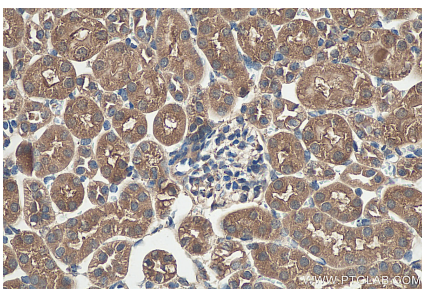
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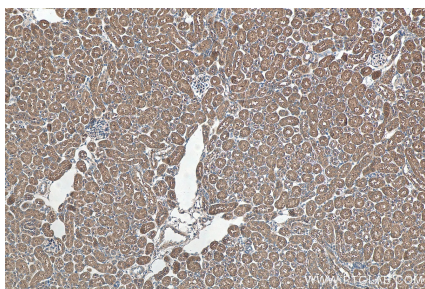
Selected Validation Data



MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 19671-1-AP (RHOG-Specific Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 19671-1-AP (RHOG-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 19671-1-AP (RHOG-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).