

For Research Use Only

ARHGEF11 Polyclonal antibody

Catalog Number: 30508-1-AP



Basic Information

Catalog Number:

30508-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33104

GenBank Accession Number:

GeneID (NCBI):

9826

UNIPROT ID:

O15085

Full Name:

Rho guanine nucleotide exchange factor (GEF) 11

Calculated MW:

168 kDa

Observed MW:

200-220 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

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 : HEK-293T cells, HuH-7 cells, MDA-MB-453 cells, mouse brain tissue

IHC : mouse colon tissue,

Background Information

ARHGEF11 (Rho guanine nucleotide exchange factor 11) is a specific guanine nucleotide exchange factor (GEF) for RhoA, which is a critical regulator of actin cytoskeleton dynamics and organization of dendritic spines and inhibitor of spine maintenance (PMID: 28036092). ARHGEF11 has been proven to promote tumor metastasis in glioblastoma and ovarian carcinoma (PMID: 33122451).

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

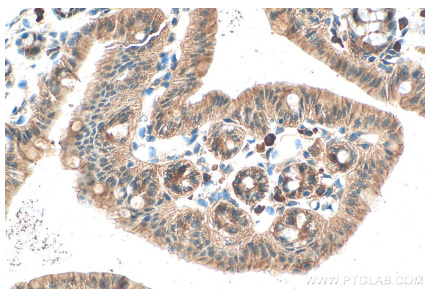
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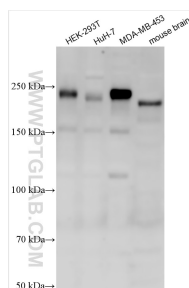
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 30508-1-AP (ARHGEF11 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 30508-1-AP (ARHGEF11 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.