

For Research Use Only

ARHGEF11 Polyclonal antibody

Catalog Number: 30508-1-AP



Basic Information

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| Catalog Number: 30508-1-AP | GenBank Accession Number: GeneID (NCBI): 9826 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 300 µg/ml by Nanodrop; | Full Name: Rho guanine nucleotide exchange factor (GEF) 11 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | Calculated MW: 168 kDa | |
| Isotype: IgG | Observed MW: 200-220 kDa | |
| Immunogen Catalog Number: AG33104 | | |

Applications

Tested Applications:

IHC, WB, 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

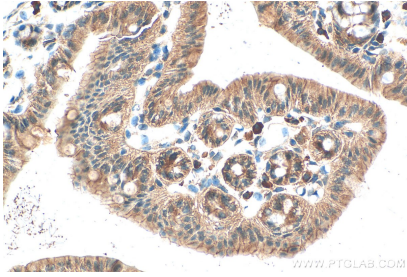
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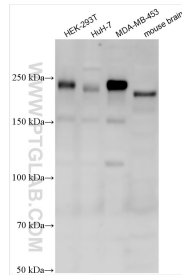
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Selected Validation Data



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.