

# ARHGEF11 Polyclonal antibody

Catalog Number: 30508-1-AP

## Basic Information

<b>Catalog Number:</b> 30508-1-AP	<b>GenBank Accession Number:</b> GeneID (NCBI): 9826	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>UNIPROT ID:</b> O15085	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> Rho guanine nucleotide exchange factor (GEF) 11	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 168 kDa	
<b>Immunogen Catalog Number:</b> AG33104	<b>Observed MW:</b> 200-220 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, HuH-7 cells, MDA-MB-453 cells, mouse brain tissue IHC : mouse colon tissue,
<b>Species Specificity:</b> Human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

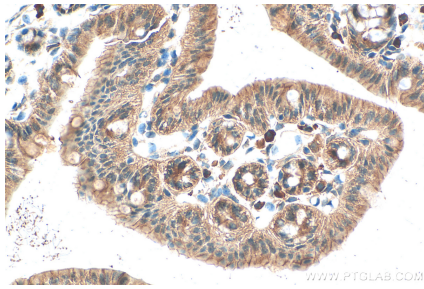
## Background Information

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).

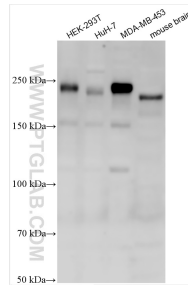
## Storage

**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

## 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.