

For Research Use Only

ARHGEF4 Polyclonal antibody

Catalog Number: 55213-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:
55213-1-AP

Size:
150ul, Concentration: 1000 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_015320

GeneID (NCBI):
50649

Full Name:
Rho guanine nucleotide exchange factor (GEF) 4

Calculated MW:
79 kDa

Observed MW:
72 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:20-1:200

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
CoIP, IF, IHC, WB

Species Specificity:
human, mouse

Cited Species:
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: mouse brain tissue, multi-cells/tissue

IP: mouse brain tissue,

IHC: human brain tissue,

Background Information

ARHGEF4, also named as KIAA1112 and Asef, acts as guanine nucleotide exchange factor (GEF) for RhoA and RAC1 GTPases. Binding of APC, ARHGEF4 may activate RAC1 GEF activity. The APC-ARHGEF4 complex seems to be involved in cell migration as well as in E-cadherin-mediated cell-cell adhesion. (PMID: 10873612). This antibody is specific to ARHGEF4.

Notable Publications

Author	Pubmed ID	Journal	Application
Lesley S Chaboub	27881777	J Neurosci	IHC, IF
Xiaowei Zhang	30871422	Cell Adh Migr	WB
Zhi Xiong	29961810	Biol Reprod	WB

Storage

Storage:

Store at -20°C.

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

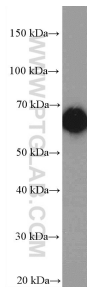
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

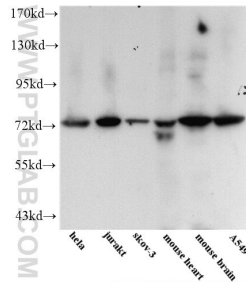
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

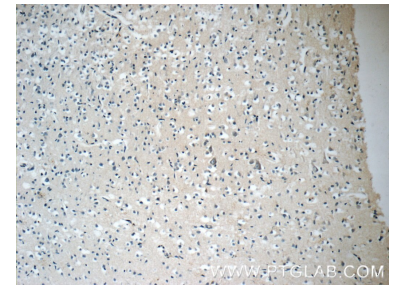
Selected Validation Data



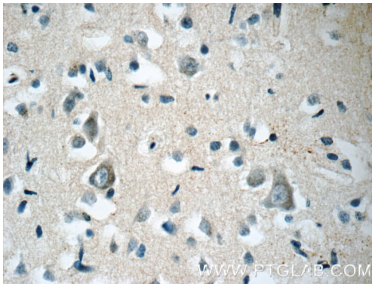
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55213-1-AP (ARHGEF4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



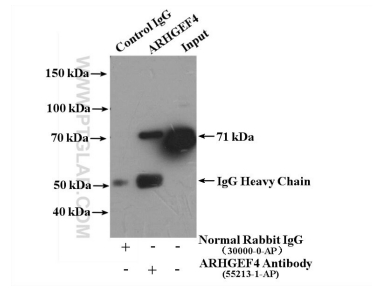
WB result of 55213-1-AP (ARHGEF4 Antibody).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 55213-1-AP (ARHGEF4 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 55213-1-AP (ARHGEF4 Antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-ARHGEF4 (IP:55213-1-AP, 4ug; Detection:55213-1-AP 1:1000) with mouse brain tissue lysate 4000ug.