

For Research Use Only

AKAP12 Polyclonal antibody

Catalog Number: 25199-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

25199-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17769

GenBank Accession Number:

BC157067

GeneID (NCBI):

9590

UNIPROT ID:

Q02952

Full Name:

A kinase (PRKA) anchor protein 12

Calculated MW:

1782 aa, 191 kDa

Observed MW:

200-300 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : rat brain tissue,

IHC : mouse brain tissue, human placenta tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

AKAP12, also named as AKAP250, is a 1782 amino acid protein, which contains three AKAP domains. AKAP12 localizes in the cytoplasm and is expressed in endothelial cells, cultured fibroblasts and osteosarcoma, but not in platelets, leukocytes, monocytic cell lines or peripheral blood cells. AKAP12 as an anchoring protein that mediates the subcellular compartmentation of protein kinase A (PKA) and protein kinase C (PKC). AKAP12 expression is known to be suppressed in several human malignancies including breast, prostate, gastric and colon cancers. AKAP12 has three isoforms, namely AKAP12A, AKAP12B and AKAP12C, with molecular weights of 305 kDa, 287 kDa and 250 kDa respectively. (PMID: 30385176, PMID: 15258566)

Notable Publications

Author	Pubmed ID	Journal	Application
Patrick Deacon	31685872	Sci Rep	IF
Ying Liu	27840927	Mol. Med Rep	WB
Xi Lan	32278306	Mol Ther Nucleic Acids	WB

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

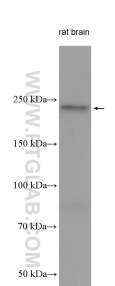
For technical support and original validation data for this product please contact:

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.

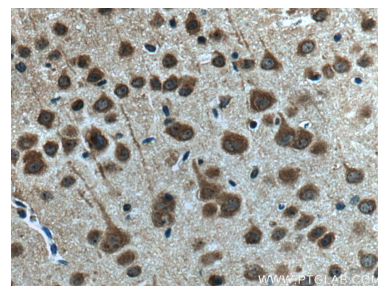
Selected Validation Data



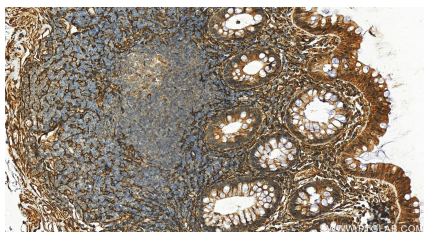
rat brain tissue were subjected to SDS PAGE followed by western blot with 25199-1-AP (AKAP12 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25199-1-AP (AKAP12 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25199-1-AP (AKAP12 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 human colon tissue slide using 25199-1-AP (AKAP12 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).