

For Research Use Only

AKAP7 Polyclonal antibody, PBS Only

Catalog Number: 12591-1-PBS

Featured Product



Basic Information

Catalog Number:

12591-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3297

GenBank Accession Number:

BC016927

GeneID (NCBI):

9465

UNIPROT ID:

O43687

Full Name:

A kinase (PRKA) anchor protein 7

Calculated MW:

81 aa, 9 kDa

Observed MW:

11 kDa, 18 kDa, 37 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

AKAP7, also named as AKAP15 and AKAP18, localize PKA in complexes with CaV1.2 and PLN, respectively. AKAP7 targets the cAMP-dependent protein kinase (PKA) to the plasma membrane, and permits functional coupling to the L-type calcium channel. AKAP7 has short isoform AKAP7 alpha and AKAP7 beta with MW 15-18 kDa; long isoform AKAP7 gamma with MW 37-42 kDa. AKAP7alpha was highly expressed only in brain and weakly in lung lysates from WT animals. This antibody can recognize all the isoforms of AKAP7.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

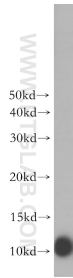
For technical support and original validation data for this product please contact:

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

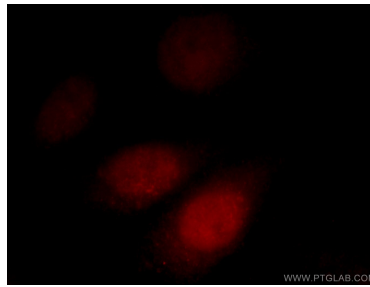
E: proteintech@ptglab.com
W: ptglab.com

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

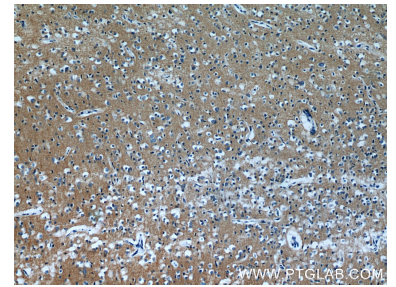
Selected Validation Data



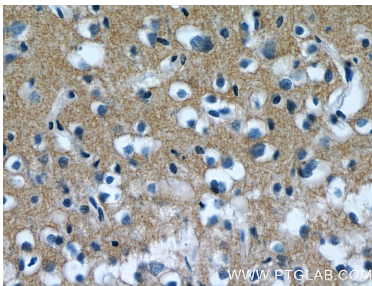
human brain tissue were subjected to SDS PAGE followed by western blot with 12591-1-AP (AKAP7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12591-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HepG2 cells, using AKAP7 antibody 12591-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). This data was developed using the same antibody clone with 12591-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12591-1-AP (AKAP7 Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 12591-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12591-1-AP (AKAP7 Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 12591-1-PBS in a different storage buffer formulation.