

For Research Use Only

# AKAP7 Polyclonal antibody, PBS Only

Catalog Number: 12591-1-PBS

Featured Product



## Basic Information

Catalog Number:

12591-1-PBS

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 9-15 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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

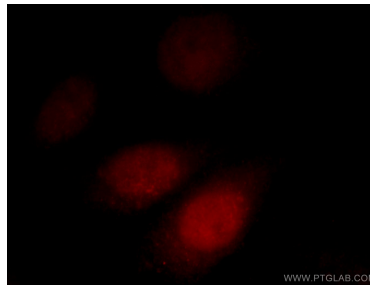
W: [ptgcn.com](http://ptgcn.com)

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

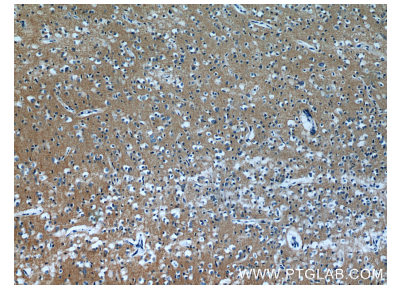
## Selected Validation Data



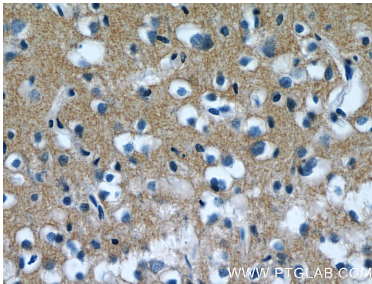
human brain tissue were subjected to SDS PAGE followed by western blot with 12591-1-AP (AKAP7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12591-1-PBS in a different storage buffer formulation.



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.