

For Research Use Only

AKAP7 Recombinant monoclonal antibody

Catalog Number: 88409-2-RR



Basic Information

Catalog Number:

88409-2-RR

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:

9-15 kDa

Purification Method:

Protein A purification

CloneNo.:

260933E6

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue, fetal human brain tissue

IP : human brain tissue,

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.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

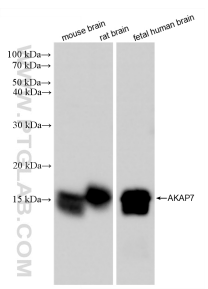
T: 4006900926

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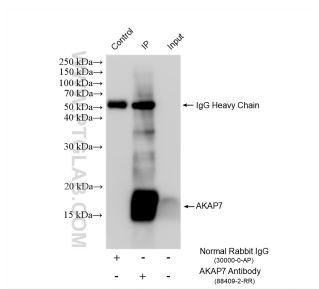
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88409-2-RR (AKAP7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-AKAP7 (IP:88409-2-RR, 4ug; Detection:88409-2-RR 1:1000) with human brain tissue lysate 1200 ug.