

For Research Use Only

AKAP7 Recombinant monoclonal antibody

Catalog Number: 88409-2-RR



Basic Information

Catalog Number: 88409-2-RR	GenBank Accession Number: BC016927	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9465	CloneNo.: 260933E6
Source: Rabbit	UNIPROT ID: O43687	Recommended Dilutions: WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: A kinase (PRKA) anchor protein 7	
Immunogen Catalog Number: AG3297	Calculated MW: 81 aa, 9 kDa	
	Observed MW: 9-15 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	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

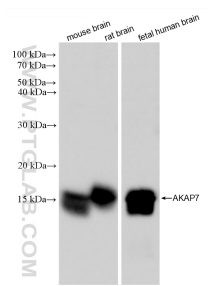
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

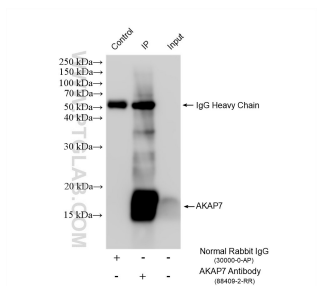
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.