

For Research Use Only

CNGA4 Polyclonal antibody

Catalog Number: 22201-1-AP



Basic Information

Catalog Number: 22201-1-AP	GenBank Accession Number: BC106936	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 1262	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q8IV77	
Isotype: IgG	Full Name: cyclic nucleotide gated channel alpha 4	
Immunogen Catalog Number: AG17481	Calculated MW: 575 aa, 66 kDa	
	Observed MW: 47-50 kDa, 65-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: mouse, rat	

Background Information

CNGA4 (cyclic nucleotide gated channel subunit alpha 4), also known as CNG4. It is expected to be located in cell membrane. Cyclic nucleotide-gated (CNG) channels are crucial for visual and olfactory transductions (PMID: 12432397). Native CNG channels are heterotetramers composed of homologous A and B subunits. Olfactory CNG channels are composed of three types of subunits, CNGA2, CNGA4, and CNGB1b (PMID: 15134638). CNGA4 is a modulatory subunit which contributes to the high cAMP sensitivity of the native olfactory channel. By accelerating the calcium-mediated negative feedback in olfactory signaling it allows rapid adaptation of native olfactory neurons to odorants (PMID: 11739959; 11739960). The molecular weight of CNGA4 is 65 kDa, and it can recognize the 48 kDa isoform.

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

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

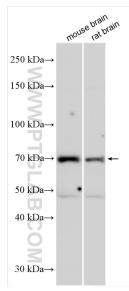
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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 22201-1-AP (CNGA4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.