

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: 150ul , Concentration: 650 ug/ml by Nanodrop;	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

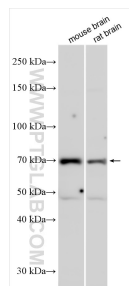
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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