

For Research Use Only

CNGA2 Polyclonal antibody

Catalog Number: 23823-1-AP



Basic Information

Catalog Number:

23823-1-AP

Size:

150ul , Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19899

GenBank Accession Number:

BC126302

GeneID (NCBI):

1260

UNIPROT ID:

Q16280

Full Name:

cyclic nucleotide gated channel alpha 2

Calculated MW:

664 aa, 76 kDa

Observed MW:

80 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A431 cells, HepG2 cells, mouse brain tissue, rat brain tissue

Background Information

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. The olfactory CNG channels are composed of two CNGA2 subunits, one CNGA4 and one CNGB1b subunit, each containing a cyclic nucleotide-binding domain (PMID: 22786723). CNGA2, also named as CNCA, CNCA1 and CNCG2, is the primary subunit of the olfactory CNG channel. Odorant signal transduction is probably mediated by a G-protein coupled cascade using cAMP as second messenger. Activation of olfactory channel by cyclic nucleotides leads to a depolarization of olfactory sensory neurons.

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

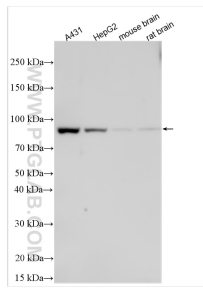
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23823-1-AP (CNGA2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.