

For Research Use Only

# CNGA2 Polyclonal antibody

Catalog Number: 23823-1-AP



## Basic Information

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|---|--|--|
| <b>Catalog Number:</b><br>23823-1-AP        | <b>GenBank Accession Number:</b><br>BC126302                 | <b>Purification Method:</b><br>Antigen Affinity purified |
| <b>Size:</b><br>250 µg/ml                   | <b>GeneID (NCBI):</b><br>1260                                |  |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>Q16280                                 |  |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>cyclic nucleotide gated channel alpha 2 |  |
| <b>Immunogen Catalog Number:</b><br>AG19899 | <b>Calculated MW:</b><br>664 aa, 76 kDa                      |  |

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human

## 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**

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

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## Selected Validation Data