

For Research Use Only

# CNGA2 Polyclonal antibody

Catalog Number: 23823-1-AP



## Basic Information

<b>Catalog Number:</b> 23823-1-AP	<b>GenBank Accession Number:</b> BC126302	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1260	
<b>Source:</b> Rabbit	<b>Full Name:</b> cyclic nucleotide gated channel alpha 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 664 aa, 76 kDa	
<b>Immunogen Catalog Number:</b> AG19899		

## 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

\*\*\* 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

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## Selected Validation Data