

**CNGA2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP4858A****Specification**

---

**CNGA2 Antibody (N-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">Q16280</a>
Other Accession	<a href="#">Q00195</a> , <a href="#">Q28718</a> , <a href="#">Q62398</a> , <a href="#">Q03041</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	76048
Antigen Region	75-102

**CNGA2 Antibody (N-term) - Additional Information****Gene ID** 1260**Other Names**

Cyclic nucleotide-gated olfactory channel, Cyclic nucleotide-gated cation channel 2, Cyclic nucleotide-gated channel alpha-2, CNG channel alpha-2, CNG-2, CNG2, CNGA2, CNCA, CNCA1, CNCG2

**Target/Specificity**

This CNGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-102 amino acids from the N-terminal region of human CNGA2.

**Dilution**

WB~~1:1000

FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CNGA2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CNGA2 Antibody (N-term) - Protein Information**

**Name** CNGA2

**Synonyms** CNCA, CNCA1, CNCG2

**Function** Odorant signal transduction is probably mediated by a G- protein coupled cascade using cAMP as second messenger. The olfactory channel can be shown to be activated by cyclic nucleotides which leads to a depolarization of olfactory sensory neurons.

**Cellular Location**

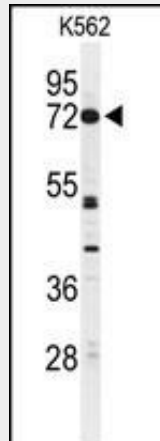
Membrane; Multi-pass membrane protein.

**CNGA2 Antibody (N-term) - Protocols**

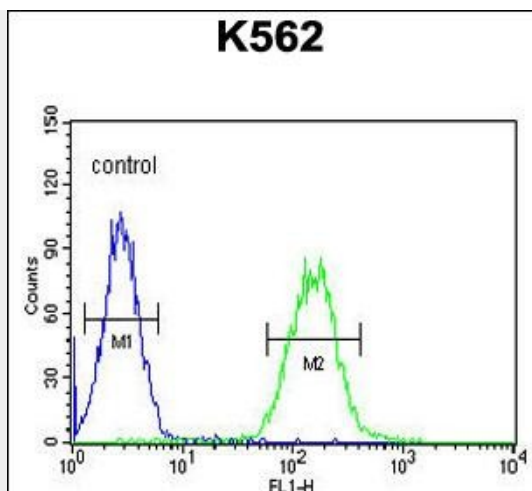
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CNGA2 Antibody (N-term) - Images**



Western blot analysis of CNGA2 Antibody (N-term) (Cat. #AP4858a) in K562 cell line lysates (35ug/lane). CNGA2 (arrow) was detected using the purified Pab.



CNGA2 Antibody (N-term) (Cat. #AP4858a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **CNGA2 Antibody (N-term) - Background**

CNGA2 represents the alpha subunit of a cyclic nucleotide-gated olfactory channel. The encoded protein contains a carboxy-terminal leucine zipper that mediates channel formation.

#### **CNGA2 Antibody (N-term) - References**

- Qu, W., et al. J. Gen. Physiol. 127(4):375-389(2006)
- Hofmann, F., et al. Pharmacol. Rev. 57(4):455-462(2005)
- Yoo, D., et al. J. Biol. Chem. 279(8):6863-6873(2004)