10320 Camino Santa Fe, Suite G
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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	Q16280
Other Accession	Q00195, Q28718, Q62398, Q03041
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

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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.

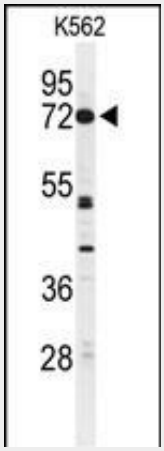
Cellular Location
Membrane; Multi-pass membrane protein.

CNGA2 Antibody (N-term) - Protocols

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

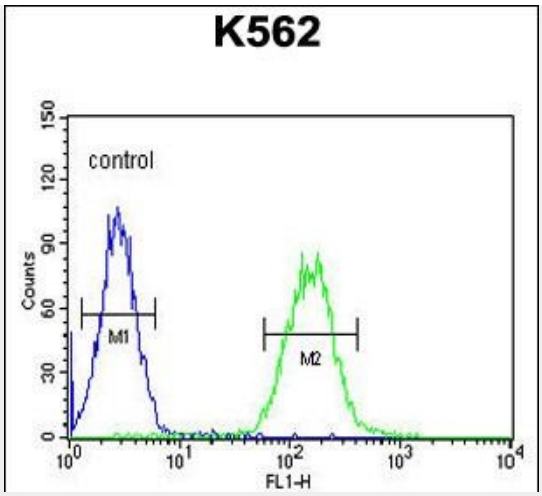
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

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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)