

CNGA2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14486a**Specification**

CNGA2 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q16280
Other Accession	Q03041 , NP_005131.1
Reactivity	Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	190-218

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, CNGC2

Target/Specificity

This CNGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-218 amino acids from the N-terminal region of human CNGA2.

Dilution

WB~~1:1000
IHC-P~~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

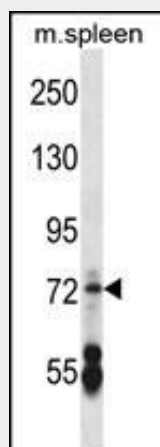
Membrane; Multi-pass membrane protein.

CNGA2 Antibody (N-term) - Protocols

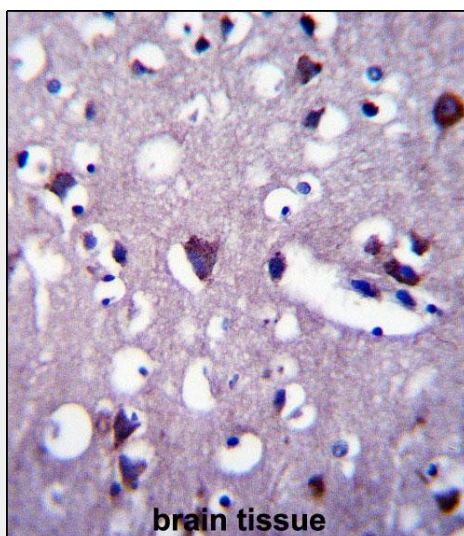
Provided below are standard protocols that you may find useful for product applications.

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

CNGA2 Antibody (N-term) - Images



CNGA2 Antibody (N-term) (Cat. #AP14486a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the CNGA2 antibody detected the CNGA2 protein (arrow).



CNGA2 Antibody (N-term) (Cat. #AP14486a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CNGA2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CNGA2 Antibody (N-term) - Background

The protein encoded by this gene 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)
Cheng, K.T., et al. Histochem. Cell Biol. 120(6):475-481(2003)
Trudeau, M.C., et al. J. Biol. Chem. 278(21):18705-18708(2003)

CNGA2 Antibody (N-term) - Citations

- [Genetic dissection of pheromone processing reveals main olfactory system-mediated social behaviors in mice.](#)