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OR4K2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11922b

Specification

OR4K2 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q8NGD2
Other Accession	NP_001005501.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35357**
Antigen Region	**276-304**

OR4K2 Antibody (C-term) - Additional Information

Gene ID 390431

Other Names
Olfactory receptor 4K2, Olfactory receptor OR14-15, OR4K2

Target/Specificity
This OR4K2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 276-304 amino acids from the C-terminal region of human OR4K2.

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
OR4K2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OR4K2 Antibody (C-term) - Protein Information

Name OR4K2

Function Odorant receptor.

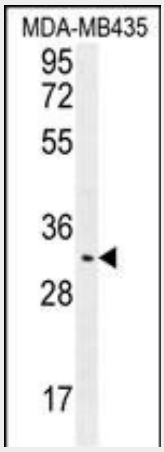
Cellular Location
Cell membrane; Multi-pass membrane protein.

OR4K2 Antibody (C-term) - Protocols

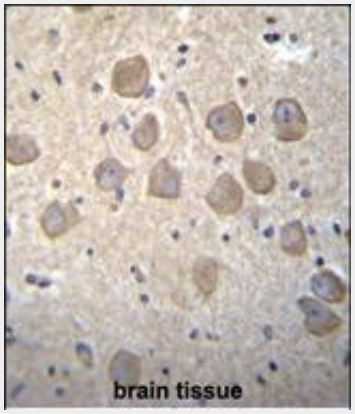
Provided below are standard protocols that you may find useful for product applications.

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

OR4K2 Antibody (C-term) - Images



OR4K2 Antibody (C-term) (Cat. #AP11922b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the OR4K2 antibody detected the OR4K2 protein (arrow).



OR4K2 Antibody (C-term) (Cat. #AP11922b)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 OR4K2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

OR4K2 Antibody (C-term) - Background

Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.

OR4K2 Antibody (C-term) - References

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)