10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OR2A12 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19569b

Specification

OR2A12 Antibody(C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8NGT7
Other Accession	NP_001004135.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35213**
Antigen Region	**243-271**

OR2A12 Antibody(C-term) - Additional Information

Gene ID 346525

Other Names
Olfactory receptor 2A12, Olfactory receptor OR7-10, OR2A12, OR2A12P

Target/Specificity
This OR2A12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-271 amino acids from the C-terminal region of human OR2A12.

Dilution
WB~~1:1000

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
OR2A12 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OR2A12 Antibody(C-term) - Protein Information

Name OR2A12

Synonyms OR2A12P

Function Odorant receptor.

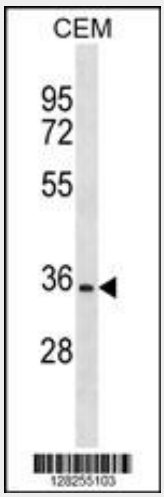
Cellular Location
Cell membrane; Multi-pass membrane protein.

OR2A12 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

OR2A12 Antibody(C-term) - Images



OR2A12 Antibody (C-term) (Cat. #AP19569b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the OR2A12 antibody detected the OR2A12 protein (arrow).

OR2A12 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.

OR2A12 Antibody(C-term) - References

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Gilad, Y., et al. Mol. Biol. Evol. 20(3):307-314(2003)
Fuchs, T., et al. Genomics 80(3):295-302(2002)