

OR2A42 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13263b**Specification**

OR2A42 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q8NGT9](#)

OR2A42 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 346528;402317

Other Names

Olfactory receptor 2A1/2A42, Olfactory receptor OR7-16, Olfactory receptor OR7-19, OR2A1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13263b was selected from the C-term region of OR2A42. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OR2A42 Antibody (C-term) Blocking peptide - Protein Information

Name OR2A1

Function

Odorant receptor.

Cellular Location

Cell membrane; Multi-pass membrane protein.

OR2A42 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

OR2A42 Antibody (C-term) Blocking peptide - Images

OR2A42 Antibody (C-term) Blocking peptide - 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.

OR2A42 Antibody (C-term) Blocking peptide - References

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004) Fuchs, T., et al. Genomics 80(3):295-302(2002)