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OR4C16 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13620b

Specification

OR4C16 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q8NGL9

OR4C16 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 219428

Other Names
Olfactory receptor 4C16, Olfactory receptor OR11-135, OR4C16

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13620b was selected from the C-term region of OR4C16. 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.

OR4C16 Antibody (C-term) Blocking peptide - Protein Information

Name OR4C16

Function
Odorant receptor.

Cellular Location
Cell membrane; Multi-pass membrane protein.

OR4C16 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

OR4C16 Antibody (C-term) Blocking peptide - Images

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OR4C16 Antibody (C-term) Blocking peptide - Background

Olfactory receptors interact with odorant molecules in thenose, to initiate a neuronal response that triggers the perceptionof a smell. The olfactory receptor proteins are members of a largefamily of G-protein-coupled receptors (GPCR) arising from singlecoding-exon genes. Olfactory receptors share a 7-transmembranedomain structure with many neurotransmitter and hormone receptorsand are responsible for the recognition and G protein-mediatedtransduction of odorant signals. The olfactory receptor gene familyis the largest in the genome. The nomenclature assigned to theolfactory receptor genes and proteins for this organism isindependent of other organisms.

OR4C16 Antibody (C-term) Blocking peptide - References

Taylor, T.D., et al. Nature 440(7083):497-500(2006)Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)