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OR2W5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14649b

Specification

OR2W5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession A6NFC9

OR2W5 Antibody (C-term) Blocking Peptide - Additional Information

Other Names
Putative olfactory receptor 2W5, OR2W5, OR2W5P

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.

OR2W5 Antibody (C-term) Blocking Peptide - Protein Information

Name OR2W5P (HGNC:15424)

Synonyms OR2W5

Function
Odorant receptor.

Cellular Location
Cell membrane; Multi-pass membrane protein.

OR2W5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

OR2W5 Antibody (C-term) Blocking Peptide - Images

OR2W5 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. This olfactory receptor gene has acoding sequence that is comparable in length to other olfactoryreceptor genes, but it should be noted that a frameshift is presentin the 3' coding region that disrupts the 7-transmembrane domainstructure in the protein. It is unclear if the protein can functionas an olfactory receptor or if an alternate function is served. Forthis reason, this gene has also been interpreted to be apseudogene.

OR2W5 Antibody (C-term) Blocking Peptide - References

Fuchs, T., et al. Genomics 80(3):295-302(2002)