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

# OR2W5 Antibody (C-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP14649b**

## Specification

### OR2W5 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | A6NFC9 |
| Other Accession | NP_001004698.1 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **35528** |
| Antigen Region | **283-311** |

### OR2W5 Antibody (C-term) - Additional Information

**Other Names**
Putative olfactory receptor 2W5, OR2W5, OR2W5P

**Target/Specificity**
This OR2W5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-311 amino acids from the C-terminal region of human OR2W5.

**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**
OR2W5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### OR2W5 Antibody (C-term) - Protein Information

**Name** OR2W5P (HGNC:15424)

**Synonyms** OR2W5

**Function** Odorant receptor.

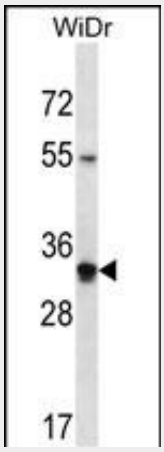
**Cellular Location**
Cell membrane; Multi-pass membrane protein.

## OR2W5 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

## OR2W5 Antibody (C-term) - Images




OR2W5 Antibody (C-term) (Cat. #AP14649b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the OR2W5 antibody detected the OR2W5 protein (arrow).

## OR2W5 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. This olfactory receptor gene has a coding sequence that is comparable in length to other olfactory receptor genes, but it should be noted that a frameshift is present in the 3' coding region that disrupts the 7-transmembrane domain structure in the protein. It is unclear if the protein can function as an olfactory receptor or if an alternate function is served. For this reason, this gene has also been interpreted to be a

pseudogene.

**OR2W5 Antibody (C-term) - References**

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