

**OR4C12 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14726b****Specification**

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**OR4C12 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96R67</a>
Other Accession	<a href="#">NP_001005270.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34491
Antigen Region	281-309

**OR4C12 Antibody (C-term) - Additional Information****Gene ID** 283093**Other Names**

Olfactory receptor 4C12, Olfactory receptor OR11-259, OR4C12

**Target/Specificity**

This OR4C12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-309 amino acids from the C-terminal region of human OR4C12.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

OR4C12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR4C12 Antibody (C-term) - Protein Information****Name** OR4C12**Function** Odorant receptor.

### Cellular Location

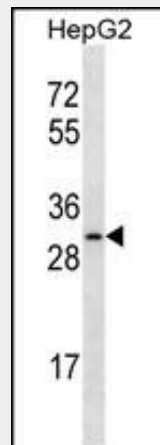
Cell membrane; Multi-pass membrane protein.

### OR4C12 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 Cytometry](#)
- [Cell Culture](#)

### OR4C12 Antibody (C-term) - Images



OR4C12 Antibody (C-term) (Cat. #AP14726b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the OR4C12 antibody detected the OR4C12 protein (arrow).

### OR4C12 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.

### OR4C12 Antibody (C-term) - 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)