

**OR5B12 Antibody (C-term)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2125b****Specification**

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**OR5B12 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96R08</a>
Other Accession	<a href="#">NP_001004733.1</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Ig2b
Calculated MW	35182
Antigen Region	278-307

**OR5B12 Antibody (C-term) - Additional Information****Gene ID** 390191**Other Names**

Olfactory receptor 5B12, Olfactory receptor 5B16, Olfactory receptor OR11-241, OR5B12, OR5B12P, OR5B16

**Target/Specificity**

This OR5B12 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 278-307 amino acids from the C-terminal region of human OR5B12.

**Dilution**

WB~~1:500~1000

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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**

OR5B12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR5B12 Antibody (C-term) - Protein Information****Name** OR5B12

**Synonyms** OR5B12P, OR5B16

**Function** Odorant receptor.

**Cellular Location**

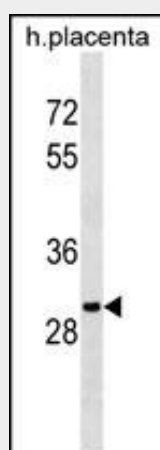
Cell membrane; Multi-pass membrane protein.

**OR5B12 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](#)

**OR5B12 Antibody (C-term) - Images**



OR5B12 Antibody (C-term)(Cat. #AM2125b) western blot analysis in human placenta tissue lysates (35µg/lane). This demonstrates the OR5B12 antibody detected the OR5B12 protein (arrow).

**OR5B12 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.

**OR5B12 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)