

**OR51B6 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18220b**

**Specification**

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**OR51B6 Antibody (C-term) - Product Information**

|                   |                                |
|-------------------|--------------------------------|
| Application       | WB,E                           |
| Primary Accession | <a href="#">O9H340</a>         |
| Other Accession   | <a href="#">NP_001004750.1</a> |
| Reactivity        | Human                          |
| Host              | Rabbit                         |
| Clonality         | Polyclonal                     |
| Isotype           | Rabbit IgG                     |
| Calculated MW     | 35269                          |
| Antigen Region    | 244-271                        |

**OR51B6 Antibody (C-term) - Additional Information**

**Gene ID** 390058

**Other Names**

Olfactory receptor 51B6, Odorant receptor HOR5'beta6, OR51B6

**Target/Specificity**

This OR51B6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-271 amino acids from the C-terminal region of human OR51B6.

**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**

OR51B6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR51B6 Antibody (C-term) - Protein Information**

**Name** OR51B6

**Function** Odorant receptor.

### Cellular Location

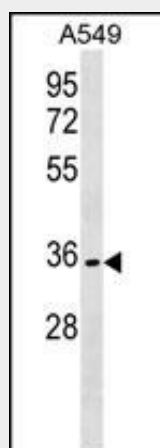
Cell membrane; Multi-pass membrane protein.

### OR51B6 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](#)

### OR51B6 Antibody (C-term) - Images



OR51B6 Antibody (C-term) (Cat. #AP18220b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the OR51B6 antibody detected the OR51B6 protein (arrow).

### OR51B6 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.

### OR51B6 Antibody (C-term) - References

- Solovieff, N., et al. Blood 115(9):1815-1822(2010)  
Bulger, M., et al. Proc. Natl. Acad. Sci. U.S.A. 97(26):14560-14565(2000)  
Bulger, M., et al. Proc. Natl. Acad. Sci. U.S.A. 96(9):5129-5134(1999)