

**OR52D1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10897b**

**Specification**

---

**OR52D1 Antibody (C-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">O9H346</a>
Other Accession	<a href="#">NP_001005163.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35122
Antigen Region	248-277

**OR52D1 Antibody (C-term) - Additional Information**

**Gene ID** 390066

**Other Names**

Olfactory receptor 52D1, Odorant receptor HOR5'beta14, Olfactory receptor OR11-43, OR52D1

**Target/Specificity**

This OR52D1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the C-terminal region of human OR52D1.

**Dilution**

WB~~1:1000

FC~~1:10~50

**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**

OR52D1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR52D1 Antibody (C-term) - Protein Information**

**Name** OR52D1

**Function** Odorant receptor.

## Cellular Location

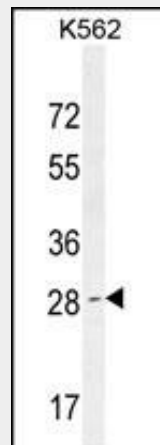
Cell membrane; Multi-pass membrane protein.

## OR52D1 Antibody (C-term) - Protocols

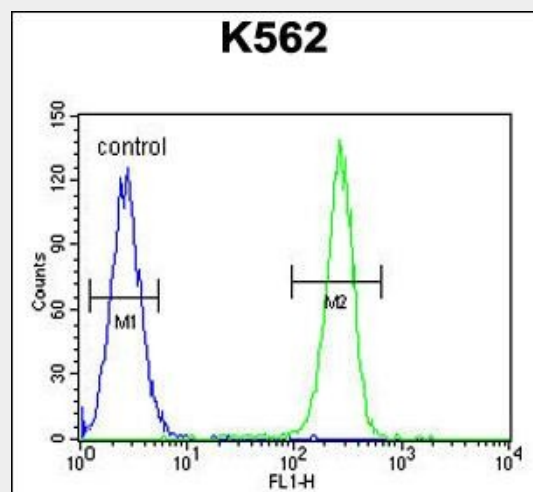
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## OR52D1 Antibody (C-term) - Images



OR52D1 Antibody (C-term) (Cat. #AP10897b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the OR52D1 antibody detected the OR52D1 protein (arrow).



OR52D1 Antibody (C-term) (Cat. #AP10897b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **OR52D1 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.

### **OR52D1 Antibody (C-term) - References**

- Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
- Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
- 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)