

**OR10A4 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10863b****Specification**

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**OR10A4 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9H209</a>
Other Accession	<a href="#">NP_997069.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35117
Antigen Region	245-273

**OR10A4 Antibody (C-term) - Additional Information****Gene ID** 283297**Other Names**

Olfactory receptor 10A4, HP2, Olfactory receptor-like protein JCG5, OR10A4, OR10A4P

**Target/Specificity**

This OR10A4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 245-273 amino acids from the C-terminal region of human OR10A4.

**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**

OR10A4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR10A4 Antibody (C-term) - Protein Information****Name** OR10A4**Synonyms** OR10A4P

**Function** Odorant receptor (Potential). May be involved in taste perception.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

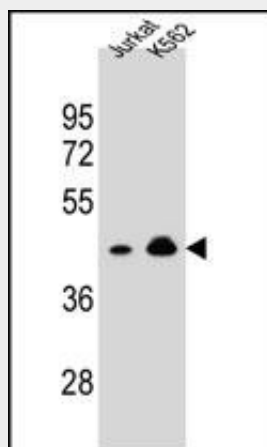
Expressed in the tongue.

**OR10A4 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](#)

**OR10A4 Antibody (C-term) - Images**



OR10A4 Antibody (C-term) (Cat. #AP10863b) western blot analysis in Jurkat, K562 cell line lysates (35ug/lane). This demonstrates the OR10A4 antibody detected the OR10A4 protein (arrow).

**OR10A4 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.

**OR10A4 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)  
Gaudin, J.C., et al. Chem. Senses 26(9):1157-1166(2001)  
Lane, R.P., et al. Proc. Natl. Acad. Sci. U.S.A. 98(13):7390-7395(2001)