

**OR13J1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11061b****Specification**

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**OR13J1 Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q8NGT2</a>
Other Accession	<a href="#">NP_001004487.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34689
Antigen Region	244-272

**OR13J1 Antibody (C-term) - Additional Information****Gene ID** 392309**Other Names**

Olfactory receptor 13J1, Olfactory receptor OR9-2, OR13J1

**Target/Specificity**

This OR13J1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-272 amino acids from the C-terminal region of human OR13J1.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

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**

OR13J1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR13J1 Antibody (C-term) - Protein Information****Name** OR13J1

**Function** Odorant receptor.

**Cellular Location**

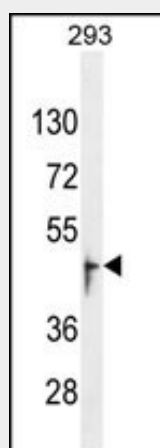
Cell membrane; Multi-pass membrane protein.

**OR13J1 Antibody (C-term) - Protocols**

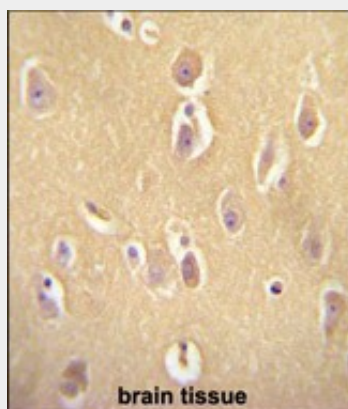
Provided below are standard protocols that you may find useful for product applications.

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

**OR13J1 Antibody (C-term) - Images**



OR13J1 Antibody (C-term) (Cat. #AP11061b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the OR13J1 antibody detected the OR13J1 protein (arrow).



OR13J1 antibody (C-term) (Cat. #AP11061b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the OR13J1 antibody (C-term) for

immunohistochemistry. Clinical relevance has not been evaluated.

### **OR13J1 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.

### **OR13J1 Antibody (C-term) - References**

Humphray, S.J., et al. Nature 429(6990):369-374(2004)  
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)