

**OR10X1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10637b****Specification**

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**OR10X1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8NGY0</a>
Other Accession	<a href="#">NP_001004477.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36446
Antigen Region	83-112

**OR10X1 Antibody (Center) - Additional Information****Gene ID** 128367**Other Names**

Olfactory receptor 10X1, Olfactory receptor OR1-14, OR10X1, OR10X1P

**Target/Specificity**

This OR10X1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-112 amino acids from the Central region of human OR10X1.

**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**

OR10X1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR10X1 Antibody (Center) - Protein Information****Name** OR10X1**Synonyms** OR10X1P

**Function** Odorant receptor.

**Cellular Location**

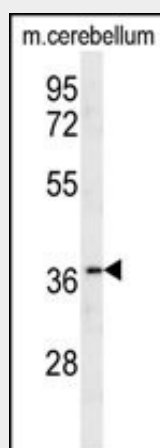
Cell membrane; Multi-pass membrane protein.

**OR10X1 Antibody (Center) - 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](#)

**OR10X1 Antibody (Center) - Images**



OR10X1 Antibody (Center) (Cat. #AP10637b) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the OR10X1 antibody detected the OR10X1 protein (arrow).

**OR10X1 Antibody (Center) - 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.

**OR10X1 Antibody (Center) - 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)