

**OR4X1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18576a****Specification**

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**OR4X1 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8NH49</a>
Other Accession	<a href="#">NP_001004726.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34222
Antigen Region	66-94

**OR4X1 Antibody (N-term) - Additional Information****Gene ID** 390113**Other Names**

Olfactory receptor 4X1, Olfactory receptor OR11-104, OR4X1

**Target/Specificity**

This OR4X1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the N-terminal region of human OR4X1.

**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**

OR4X1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR4X1 Antibody (N-term) - Protein Information****Name** OR4X1**Function** Odorant receptor.

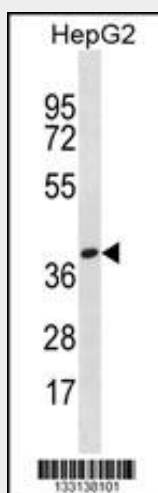
**Cellular Location**

Cell membrane; Multi-pass membrane protein.

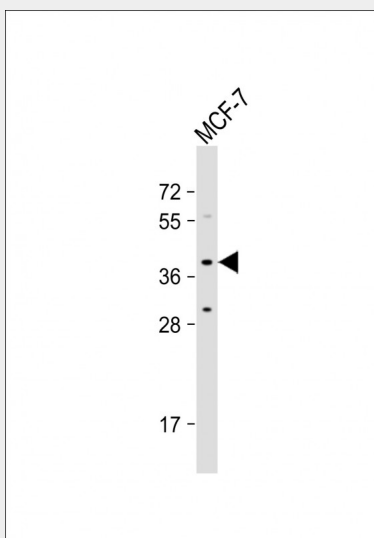
**OR4X1 Antibody (N-term) - Protocols**

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](#)

**OR4X1 Antibody (N-term) - Images**

OR4X1 Antibody (N-term) (Cat. #AP18576a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the OR4X1 antibody detected the OR4X1 protein (arrow).



Anti-OR4X1 Antibody (N-term) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **OR4X1 Antibody (N-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.

#### **OR4X1 Antibody (N-term) - References**

Takabatake, N., et al. Biochem. Biophys. Res. Commun. 364(3):662-667(2007)  
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)