

**OR4N4 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11476a****Specification**

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**OR4N4 Antibody (N-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">Q8N0Y3</a>
Other Accession	<a href="#">NP_001005241.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35724
Antigen Region	68-96

**OR4N4 Antibody (N-term) - Additional Information****Gene ID** 283694**Other Names**

Olfactory receptor 4N4, Olfactory receptor OR15-1, Olfactory receptor OR15-5, OR4N4

**Target/Specificity**

This OR4N4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of human OR4N4.

**Dilution**

WB~~1:1000

FC~~1:10~50

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**

OR4N4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR4N4 Antibody (N-term) - Protein Information****Name** OR4N4

**Function** Odorant receptor.

**Cellular Location**

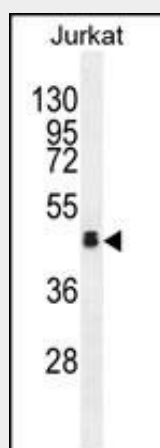
Cell membrane; Multi-pass membrane protein.

**OR4N4 Antibody (N-term) - Protocols**

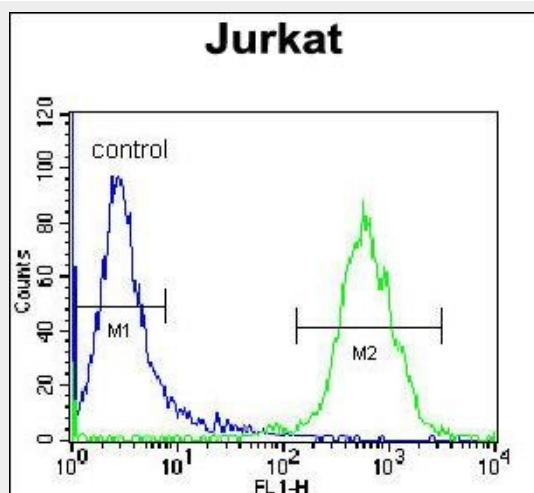
Provided below are standard protocols that you may find useful for product applications.

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

**OR4N4 Antibody (N-term) - Images**



OR4N4 Antibody (N-term) (Cat. #AP11476a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the OR4N4 antibody detected the OR4N4 protein (arrow).



OR4N4 Antibody (N-term) (Cat. #AP11476a) flow cytometric analysis of Jurkat cells (right

histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

#### **OR4N4 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.

#### **OR4N4 Antibody (N-term) - References**

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)