

**OR10G9 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13009b****Specification**

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**OR10G9 Antibody (C-term) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">Q8NGN4</a>
Other Accession	<a href="#">NP_001001953.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	211-239

**OR10G9 Antibody (C-term) - Additional Information****Gene ID** 219870**Other Names**

Olfactory receptor 10G9, Olfactory receptor 10G10, OR10G9, OR10G10P

**Target/Specificity**

This OR10G9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 211-239 amino acids of human OR10G9.

**Dilution**

FC~~1:10~50

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**

OR10G9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR10G9 Antibody (C-term) - Protein Information****Name** OR10G9**Synonyms** OR10G10P

**Function** Odorant receptor.

**Cellular Location**

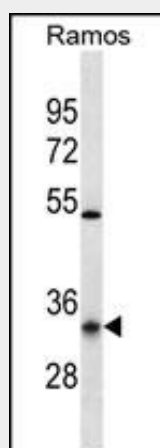
Cell membrane; Multi-pass membrane protein.

**OR10G9 Antibody (C-term) - Protocols**

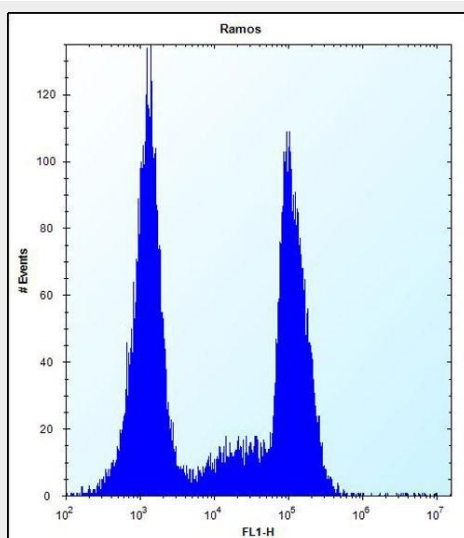
Provided below are standard protocols that you may find useful for product applications.

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

**OR10G9 Antibody (C-term) - Images**



OR10G9 Antibody (C-term) (Cat. #AP13009b) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the OR10G9 antibody detected the OR10G9 protein (arrow).



OR10G9 Antibody (C-term) (Cat. #AP13009b) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

#### **OR10G9 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.

#### **OR10G9 Antibody (C-term) - References**

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