

**OR2A42 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13263b****Specification**

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**OR2A42 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8NGT9</a>
Other Accession	<a href="#">NP_001001802.1</a> , <a href="#">NP_001005287.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34714
Antigen Region	282-310

**OR2A42 Antibody (C-term) - Additional Information**

**Gene ID** 346528;402317

**Other Names**

Olfactory receptor 2A1/2A42, Olfactory receptor OR7-16, Olfactory receptor OR7-19, OR2A1

**Target/Specificity**

This OR2A42 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 282-310 amino acids from the C-terminal region of human OR2A42.

**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**

OR2A42 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**OR2A42 Antibody (C-term) - Protein Information**

**Name** OR2A1

**Function** Odorant receptor.

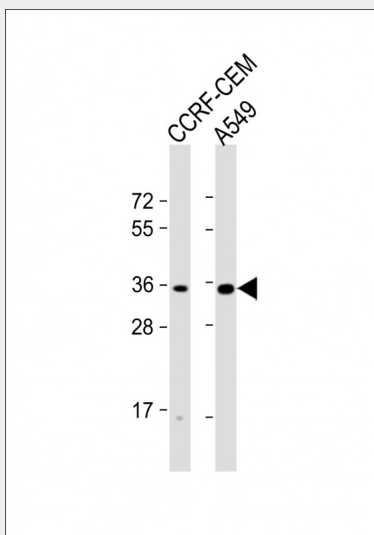
**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**OR2A42 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](#)

**OR2A42 Antibody (C-term) - Images**

All lanes : Anti-OR2A42 Antibody (C-term) at 1:1000 dilution Lane 1: CCRF-CEM whole cell lysate  
Lane 2: A549 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 : 35 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

**OR2A42 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.

**OR2A42 Antibody (C-term) - 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)