

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

OR2A42 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8NGT9
Other Accession	NP_001001802.1 , NP_001005287.1
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

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.

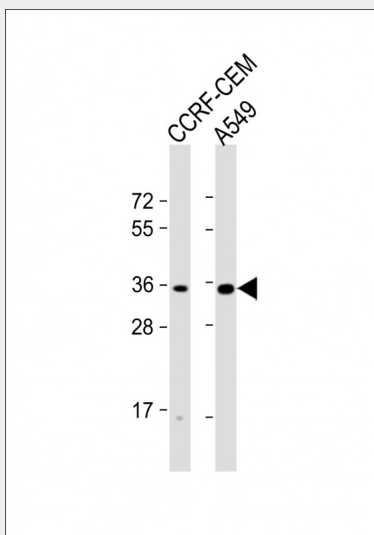
Cellular Location

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)