

OR2A4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18306a**Specification**

OR2A4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O95047
Other Accession	O96R45 , NP_112170.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34802
Antigen Region	70-96

OR2A4 Antibody (N-term) - Additional Information**Gene ID** 79541**Other Names**

Olfactory receptor 2A4, Olfactory receptor 2A10, Olfactory receptor OR6-37, OR2A4, OR2A10

Target/Specificity

This OR2A4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-96 amino acids from the N-terminal region of human OR2A4.

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

OR2A4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OR2A4 Antibody (N-term) - Protein Information**Name** OR2A4**Synonyms** OR2A10

Function Odorant receptor.

Cellular Location

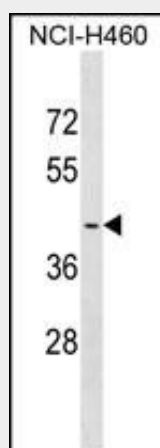
Cell membrane; Multi-pass membrane protein.

OR2A4 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](#)

OR2A4 Antibody (N-term) - Images



OR2A4 Antibody (N-term) (Cat. #AP18306a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the OR2A4 antibody detected the OR2A4 protein (arrow).

OR2A4 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.

OR2A4 Antibody (N-term) - References

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

Mungall, A.J., et al. Nature 425(6960):805-811(2003)