

OR5AN1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12603b**Specification**

OR5AN1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8NGI8
Other Accession	NP_001004729.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34789
Antigen Region	280-309

OR5AN1 Antibody (C-term) - Additional Information**Gene ID** 390195**Other Names**

Olfactory receptor 5AN1, Olfactory receptor OR11-244, OR5AN1

Target/Specificity

This OR5AN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 280-309 amino acids from the C-terminal region of human OR5AN1.

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

OR5AN1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OR5AN1 Antibody (C-term) - Protein Information**Name** OR5AN1 {ECO:0000303|PubMed:27098692, ECO:0000312|HGNC:HGNC:15255}**Function** Odorant receptor for musk, which specifically recognizes muscone, musk xylol, and

musk ketone (PubMed:[24361078](#), PubMed:[25901328](#), PubMed:[27098692](#)). Ligand-binding causes a conformation change that triggers signaling via G(s)-class of G alpha protein GNAL, activating adenylyl cyclase (Probable).

Cellular Location

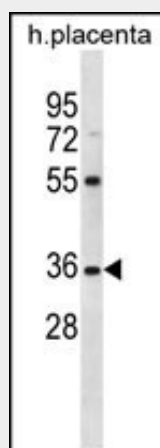
Cell membrane; Multi-pass membrane protein

OR5AN1 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](#)

OR5AN1 Antibody (C-term) - Images



OR5AN1 Antibody (C-term) (Cat. #AP12603b) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the OR5AN1 antibody detected the OR5AN1 protein (arrow).

OR5AN1 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.

OR5AN1 Antibody (C-term) - References

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