

OR10A5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54573**Specification****OR10A5 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9H207
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OR10A5
Epitope Specificity	231-317/317
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Olfactory receptors interact with odorant molecules in the nose to initiate a neuronal response that leads to the perception of smell. While they share a seven transmembrane domain structure with many neurotransmitter and hormone receptors, olfactory receptors are responsible for the recognition and transduction of odorant signals. OR10A2 (olfactory receptor 10A2) and OR10A5 (olfactory receptor 10A5) are multi-pass membrane proteins that belong to the G-protein coupled receptor 1 family and are encoded by genes that map to human chromosome 11p15.4. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.

OR10A5 Polyclonal Antibody - Additional Information**Gene ID 144124****Other Names**

Olfactory receptor 10A5, HP3, Olfactory receptor 10A1, Olfactory receptor 11-403, OR11-403, Olfactory receptor-like protein JCG6, OR10A5, OR10A1

Target/Specificity

Expressed in the tongue.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

OR10A5 Polyclonal Antibody - Protein Information

Name OR10A5

Synonyms OR10A1

Function

Odorant receptor (Potential). May be involved in taste perception.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed in the tongue.

OR10A5 Polyclonal Antibody - 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](#)

OR10A5 Polyclonal Antibody - Images