

TAAR9 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10553**Specification**

TAAR9 Antibody (Extracellular Domain) - Product Information

Application	IHC-P, E
Primary Accession	Q96RI9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa
Dilution	IHC-P~~N/A E~~N/A

TAAR9 Antibody (Extracellular Domain) - Additional Information**Gene ID** 134860**Other Names**

Trace amine-associated receptor 9, TaR-9, Trace amine receptor 9, Trace amine receptor 3, TaR-3, TAAR9, TA3, TAR3, TRAR3

Target/Specificity

Human TAAR9. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TAAR6 (54%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

TAAR9 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR9 Antibody (Extracellular Domain) - Protein Information**Name** TAAR9 ([HGNC:20977](#))**Function**

Olfactory receptor specific for trace amines, such as N,N- dimethylcyclohexylamine (DMCHA) and beta-phenylethylamine (beta-PEA) (By similarity). In contrast to mouse and rat orthologs, not activated by triethylamine, cadaverine (CAD) or spermidine (PubMed:34600890). Trace amine compounds are enriched in animal body fluids and act on trace amine-associated receptors (TAARs) to elicit both intraspecific and interspecific innate behaviors (By similarity). Trace amine-binding causes a conformation change that triggers signaling via G(s)-class of G alpha proteins (GNAL or GNAS) (By similarity). In mature olfactory sensory neurons, TAAR9 is coupled with GNAL/G(olf)G alpha protein and mediates activation of adenylate cyclase activity to activate

cAMP signaling and eventually transmit odorant signals to achieve membrane depolarization (By similarity). In immature olfactory sensory neurons, TAAR9 is coupled with GNAS/G(s) G alpha proteins (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q5QD04}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q5QD04}

Volume

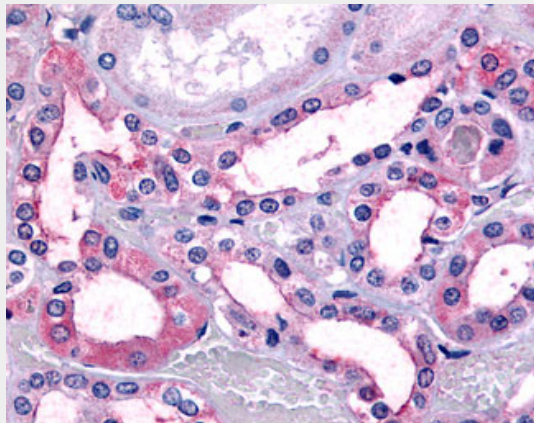
50 μ l

TAAR9 Antibody (Extracellular Domain) - 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](#)

TAAR9 Antibody (Extracellular Domain) - Images



Anti-TAAR9 antibody ALS10553 IHC of human kidney.

TAAR9 Antibody (Extracellular Domain) - Background

Orphan receptor. Could be a receptor for trace amines. Trace amines are biogenic amines present in very low levels in mammalian tissues. Although some trace amines have clearly defined roles as neurotransmitters in invertebrates, the extent to which they function as true neurotransmitters in vertebrates has remained speculative. Trace amines are likely to be involved in a variety of physiological functions that have yet to be fully understood.

TAAR9 Antibody (Extracellular Domain) - References

Borowsky B., et al. Proc. Natl. Acad. Sci. U.S.A. 98:8966-8971(2001).
Kopatz S.A., et al. Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.