

**TAAR9 Antibody (Extracellular Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10478****Specification**

---

**TAAR9 Antibody (Extracellular Domain) - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q96RI9</a>
Reactivity	Human, Mouse, Hamster, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa
Dilution	IHC-P~~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.

**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:<a href="http://www.uniprot.org/citations/34600890" target="\_blank">34600890</a>). 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}

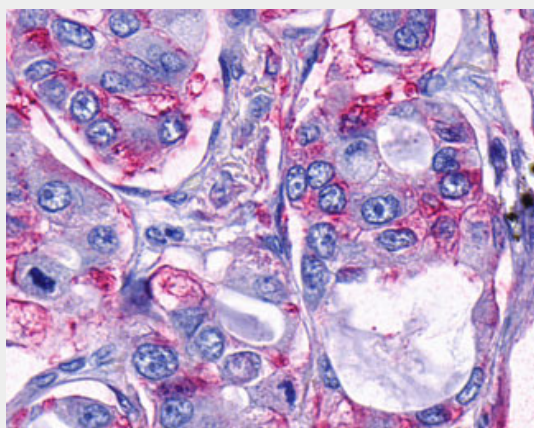
**Volume**

50 µl

**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 IHC of human Lung, Adenocarcinoma.

**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/DBJ databases.