10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAAR9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18516b

Specification

TAAR9 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96RI9
Other Accession	Q5QD04, NP_778227.3
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39016**
Antigen Region	**229-255**

TAAR9 Antibody (C-term) - 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
This TAAR9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 229-255 amino acids from the C-terminal region of human TAAR9.

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
TAAR9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR9 Antibody (C-term) - 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).

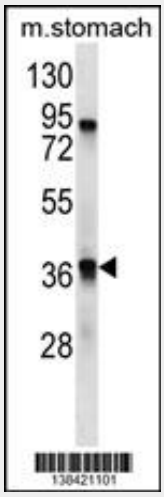
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q5QD04}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q5QD04}

TAAR9 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 Cytomety
- Cell Culture

TAAR9 Antibody (C-term) - Images



TAAR9 Antibody (C-term) (Cat. #AP18516b) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the TAAR9 antibody detected the TAAR9 protein (arrow).

TAAR9 Antibody (C-term) - Background

TAAR9 is a member of a large family of rhodopsin G protein-coupled receptors (GPCRs, or GPRs). GPCRs contain 7 transmembrane domains and transduce extracellular signals through

heterotrimeric G proteins.

TAAR9 Antibody (C-term) - References

Muller, D.J., et al. J Psychiatr Res 44(9):598-604(2010)
Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008)
Liberles, S.D., et al. Nature 442(7103):645-650(2006)
Lindemann, L., et al. Genomics 85(3):372-385(2005)
Vanti, W.B., et al. Genomics 82(5):531-536(2003)