

TAAR1 / TA1 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10500**Specification**

TAAR1 / TA1 Antibody (Extracellular Domain) - Product Information

Application	IHC
Primary Accession	Q96RJ0
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

TAAR1 / TA1 Antibody (Extracellular Domain) - Additional Information**Gene ID** 134864**Other Names**

Trace amine-associated receptor 1, TaR-1, Trace amine receptor 1, TAAR1, TA1, TAR1, TRAR1

Target/Specificity

Human TAAR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

TAAR1 / TA1 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR1 / TA1 Antibody (Extracellular Domain) - Protein Information**Name** TAAR1**Synonyms** TA1, TAR1, TRAR1**Function**

Receptor for trace amines, including beta-phenylethylamine (b-PEA), p-tyramine (p-TYR), octopamine and tryptamine, with highest affinity for b-PEA and p-TYR. Unresponsive to classical biogenic amines, such as epinephrine and histamine and only partially activated by dopamine and serotonin. 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. The signal transduced by this receptor is mediated by the G(s)-class of G-proteins which activate adenylate cyclase.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Detected in low levels in discrete regions within the central nervous system and in several peripheral tissues. Moderately expressed in stomach. Low levels in amygdala, kidney, and lung, and small intestine. Trace amounts in cerebellum, dorsal root ganglia, hippocampus, hypothalamus, liver, medulla, pancreas, pituitary, pontine reticular formation, prostate, skeletal muscle and spleen.

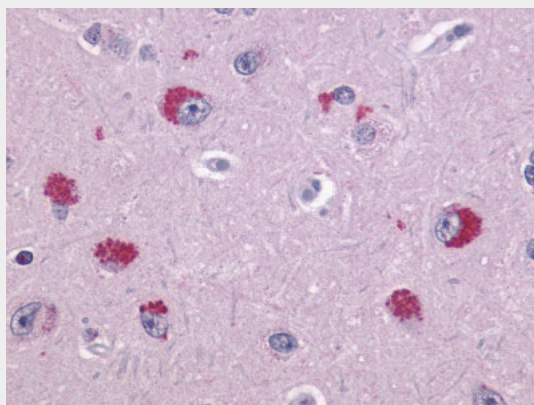
Volume

50 μ l

TAAR1 / TA1 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](#)

TAAR1 / TA1 Antibody (Extracellular Domain) - Images

Anti-TAAR1 antibody ALS10500 IHC of human brain, neurons.

TAAR1 / TA1 Antibody (Extracellular Domain) - Background

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TAAR1 / TA1 Antibody (Extracellular Domain) - References

Borowsky B.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:8966-8971(2001).
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Kopatz S.A.,et al.Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).
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