

TAAR1 / TA1 Antibody (aa225-250)
Rabbit Polyclonal Antibody
Catalog # ALS11907**Specification**

TAAR1 / TA1 Antibody (aa225-250) - Product Information

Application	WB, IHC
Primary Accession	O96RJ0
Reactivity	Human, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

TAAR1 / TA1 Antibody (aa225-250) - Additional Information**Gene ID** 134864**Other Names**

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

Target/Specificity

A portion of amino acids 225-250 of human TAAR1

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

TAAR1 / TA1 Antibody (aa225-250) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR1 / TA1 Antibody (aa225-250) - 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

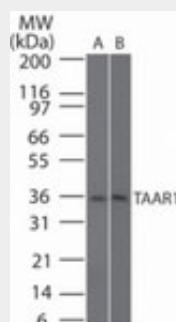
Detected in low levels in discrete regions within the central nervous system and in several peripheral tissues. Moderately expressed in stomach. Low levels in amygdala, kidney, and lung, and small intestine. Trace amounts in cerebellum, dorsal root ganglia, hippocampus, hypothalamus, liver, medulla,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

TAAR1 / TA1 Antibody (aa225-250) - Protocols

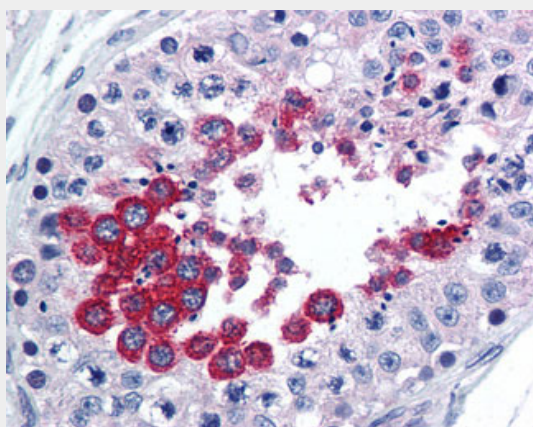
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TAAR1 / TA1 Antibody (aa225-250) - Images



Western blot of human TAAR1 in human brain and rat brain lysate using antibody at 2 ug/ml.



Anti-TAAR1 antibody IHC of human testis.

TAAR1 / TA1 Antibody (aa225-250) - Background

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TAAR1 / TA1 Antibody (aa225-250) - References

Borowsky B.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:8966-8971(2001).
Bunzow J.R.,et al.Mol. Pharmacol. 60:1181-1188(2001).
Kopatz S.A.,et al.Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).
Lindemann L.,et al.Genomics 85:372-385(2005).