

TAAR5 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10122**Specification**

TAAR5 Antibody (N-Terminus) - Product Information

Application	IHC-P, E
Primary Accession	O14804
Reactivity	Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa KDa
Dilution	IHC-P~~N/A E~~N/A

TAAR5 Antibody (N-Terminus) - Additional Information**Gene ID** 9038**Other Names**

Trace amine-associated receptor 5, TaR-5, Trace amine receptor 5, hTaar5, Putative neurotransmitter receptor, TAAR5, PNR

Target/Specificity

Human TAAR5. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

TAAR5 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR5 Antibody (N-Terminus) - Protein Information**Name** TAAR5 {ECO:0000303|PubMed:15718104, ECO:0000312|HGNC:HGNC:30236}**Function**

Olfactory receptor specific for trimethylamine, a trace amine (PubMed:23393561). Also activated at lower level by dimethylethylamine (PubMed:23393561). Trimethylamine is a bacterial metabolite found in some animal odors, and to humans it is a repulsive odor associated with bad breath and spoiled food (PubMed:23393561). Trimethylamine-binding causes a conformation change that triggers signaling via G(s)-class of G alpha proteins (GNAL or GNAS) (PubMed:23393561).

target="_blank">23393561).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed almost exclusively in skeletal muscle and selected areas of the brain, such amygdala, hippocampus, caudate nucleus, thalamus and hypothalamus (PubMed:9464258). Weak expression is also find in substantia nigra (PubMed:9464258)

Volume

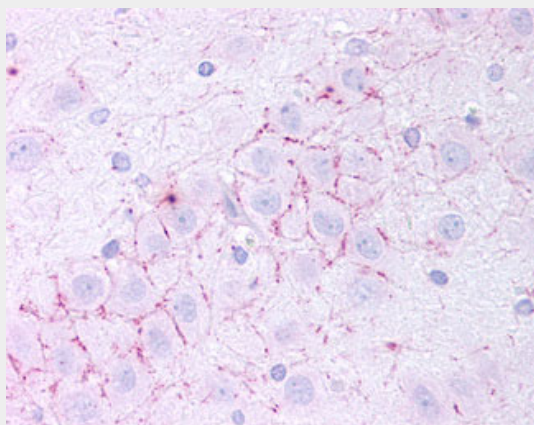
50 μ l

TAAR5 Antibody (N-Terminus) - 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](#)

TAAR5 Antibody (N-Terminus) - Images



Anti-TAAR5 antibody ALS10122 IHC of human dentate gyrus.

TAAR5 Antibody (N-Terminus) - Background

Olfactory receptor specific for trimethylamine, a trace amine. Also activated at lower level by dimethylethylamine. Trimethylamine is a bacterial metabolite found in some animal odors, and to humans it is a repulsive odor associated with bad breath and spoiled food. This receptor is probably mediated by the G(s)-class of G-proteins which activate adenylate cyclase.

TAAR5 Antibody (N-Terminus) - References

Zeng Z.,et al.Biochem. Biophys. Res. Commun. 242:575-578(1998).
Lindemann L.,et al.Genomics 85:372-385(2005).

Staubert C.,et al.PLoS ONE 5:E111133-E111133(2010).

Mungall A.J.,et al.Nature 425:805-811(2003).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.