

TAAR5 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14428**Specification**

TAAR5 antibody - C-terminal region - Product Information

Application	WB, IF
Primary Accession	O14804
Other Accession	NM_003967 , NP_003958
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Pig, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 38kDa KDa

TAAR5 antibody - C-terminal region - Additional Information**Gene ID** 9038**Alias Symbol** MGC138414, MGC138416, PNR, RP11-295F4.5**Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TAAR5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TAAR5 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR5 antibody - C-terminal region - 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).

[23393561](http://www.uniprot.org/citations/23393561)). Trimethylamine-binding causes a conformation change that triggers signaling via G(s)-class of G alpha proteins (GNAL or GNAS) (PubMed:[23393561](http://www.uniprot.org/citations/23393561)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

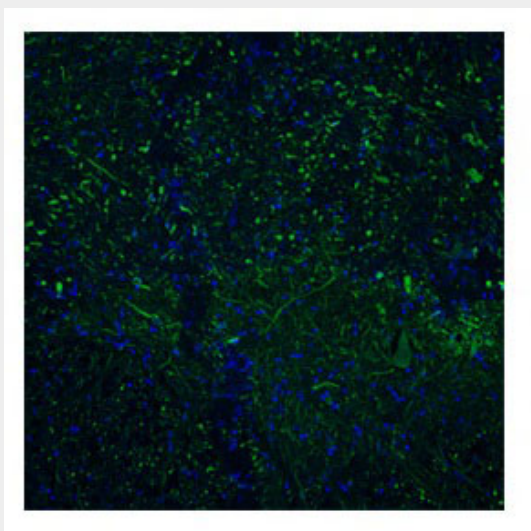
Expressed almost exclusively in skeletal muscle and selected areas of the brain, such amygdala, hippocampus, caudate nucleus, thalamus and hypothalamus (PubMed:9464258). Weak expression is also find in substantia nigra (PubMed:9464258)

TAAR5 antibody - C-terminal region - Protocols

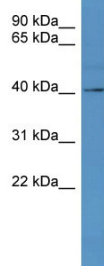
Provided below are standard protocols that you may find useful for product applications.

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

TAAR5 antibody - C-terminal region - Images



Immunofluorescence -- Dilution: 1.3µg/ml



WB Suggested Anti-TAAR5 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: PANC1 cell lysate

TAAR5 is supported by BioGPS gene expression data to be expressed in PANC1



WB Suggested Anti-TAAR5 antibody Titration: 1 µg/ml

Sample Type: Human OVCAR-3

TAAR5 antibody - C-terminal region - 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.