

TAAR5 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21290b**Specification**

TAAR5 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O14804
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	38242

TAAR5 Antibody (C-term) - 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

This TAAR5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 236-269 amino acids from the C-terminal region of human TAAR5.

Dilution

WB~~1:2000

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

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

TAAR5 Antibody (C-term) - 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](#)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

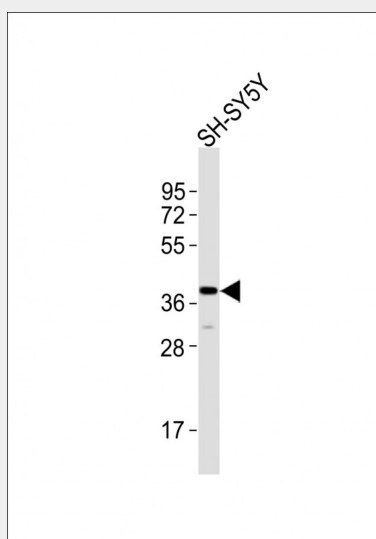
Expressed almost exclusively in skeletal muscle and selected areas of the brain, such amygdala, hippocampus, caudate nucleus, thalamus and hypothalamus (PubMed:9464258). Weak expression is also find in substantia nigra (PubMed:9464258)

TAAR5 Antibody (C-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 Cytometry](#)
- [Cell Culture](#)

TAAR5 Antibody (C-term) - Images



Anti-TAAR5 Antibody (C-term) at 1:2000 dilution + SH-SY5Y whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

TAAR5 Antibody (C-term) - 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 (C-term) - 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:E11133-E11133(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.