

TAAR5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21290b

Product Information

Application	WB, E
Primary Accession	O14804
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB46511
Calculated MW	38242

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.

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)

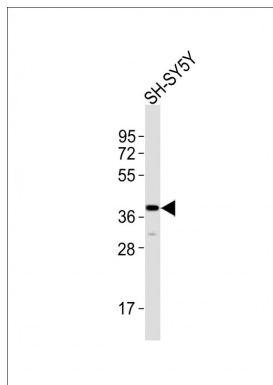
Background

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.

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.