

TAAR5 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14428

Product Information

Application	WB, IF
Primary Accession	O14804
Other Accession	NM_003967 , NP_003958
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38242

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.

Protein Information

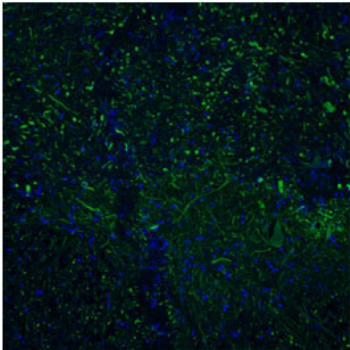
Name	TAAR5 {ECO:0000303 PubMed:15718104, ECO:0000312 HGNC:HGNC:30236}
Function	Olfactory receptor specific for trimethylamine, a trace amine (PubMed: 23393561). Also activated at lower level by dimethylethylamine (PubMed: 23393561). Trimethylamine is a bacterial metabolite found in some animal odors, 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)
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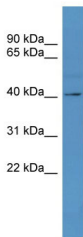
References

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.

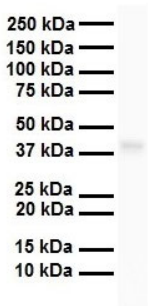
Images



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

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