

# TAAR5 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI14428

#### **Product Information**

Application WB, IF Primary Accession 014804

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:<u>23393561</u>). Also activated at lower level by dimethylethylamine (PubMed:<u>23393561</u>). 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:<u>23393561</u>). 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

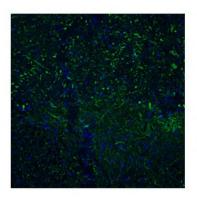
#### **Tissue Location**

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)

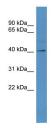
### References

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'.