

**TAAR2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20455a**

**Specification**

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**TAAR2 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O9P1P5</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40134
Antigen Region	1-30

**TAAR2 Antibody (N-term) - Additional Information**

**Gene ID** 9287

**Other Names**

Trace amine-associated receptor 2, TaR-2, Trace amine receptor 2, G-protein coupled receptor 58, TAAR2, GPR58

**Target/Specificity**

This TAAR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TAAR2.

**Dilution**

WB~~1:1000

IHC-P~~1:25

**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**

TAAR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TAAR2 Antibody (N-term) - Protein Information**

**Name** TAAR2 {ECO:0000303|PubMed:15718104, ECO:0000312|HGNC:HGNC:4514}

**Function** Orphan olfactory receptor specific for trace amines. Trace amine compounds are

enriched in animal body fluids and act on trace amine-associated receptors (TAARs) to elicit both intraspecific and interspecific innate behaviors. Ligand-binding causes a conformation change that triggers signaling via the G(s)-class of G-proteins which activate adenylate cyclase.

#### Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q5QD04}; Multi-pass membrane protein

#### Tissue Location

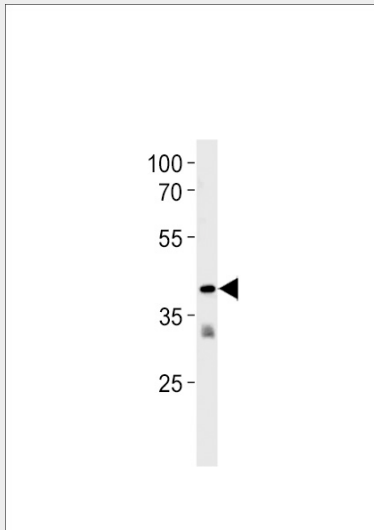
Not expressed in the pons, thalamus, hypothalamus, hippocampus, caudate, putamen, frontal cortex, basal forebrain, midbrain or liver.

### TAAR2 Antibody (N-term) - Protocols

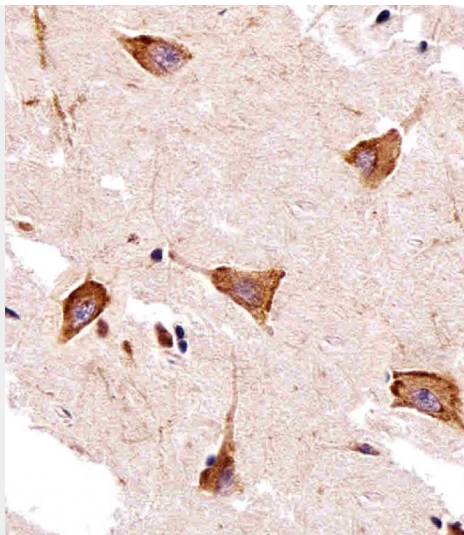
Provided below are standard protocols that you may find useful for product applications.

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

### TAAR2 Antibody (N-term) - Images



TAAR2 Antibody (N-term) (Cat. #AP20455a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the TAAR2 antibody detected the TAAR2 protein (arrow).



Immunohistochemical analysis of paraffin-embedded H. brain section using TAAR2 Antibody (N-term)(Cat#AP20455a). AP20455a was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

#### **TAAR2 Antibody (N-term) - Background**

Orphan receptor.

#### **TAAR2 Antibody (N-term) - References**

Lee D.K., et al. *Biochim. Biophys. Acta* 1490:311-323(2000).  
Lindemann L., et al. *Genomics* 85:372-385(2005).  
Mungall A.J., et al. *Nature* 425:805-811(2003).