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TAAR6 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10540

Specification

TAAR6 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC-P**
Primary Accession	Q96RI8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**38kDa KDa**
Dilution	**IHC-P~~N/A**

TAAR6 Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 319100

Other Names
Trace amine-associated receptor 6, TaR-6, Trace amine receptor 6, Trace amine receptor 4, TaR-4, TAAR6, TA4, TAR4, TRAR4

Target/Specificity
Human TAAR6. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
TAAR6 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR6 Antibody (Cytoplasmic Domain) - Protein Information

Name TAAR6 (HGNC:20978)

Function
Olfactory receptor specific for trace amines, such as beta- phenylethylamine (beta-PEA). 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. Beta- PEA-binding causes a conformation change that triggers signaling via G(s)-class of G alpha proteins (GNAL or GNAS).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Expressed at low abundance in various brain tissues, as well as in fetal liver, but not in the

cerebellum or placenta (PubMed:15329799). In the brain, comparable levels of expression in basal ganglia, frontal cortex, substantia nigra, amygdala and hippocampus, highest expression in hippocampus and lowest expression in basal ganglia (PubMed:15329799)

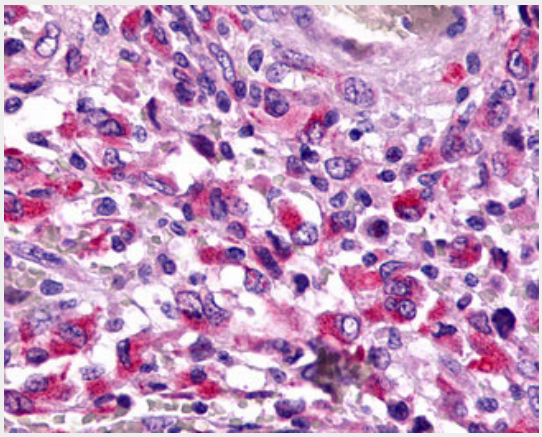
Volume
50 µl

TAAR6 Antibody (Cytoplasmic Domain) - Protocols

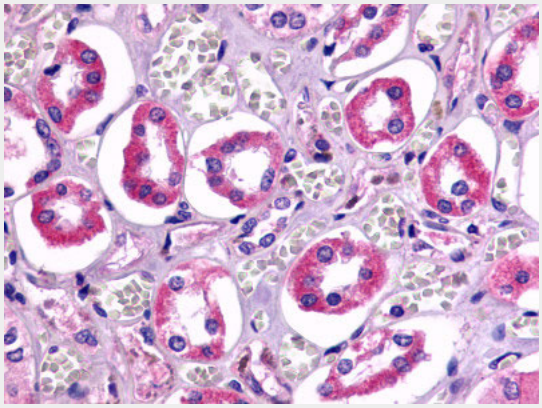
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TAAR6 Antibody (Cytoplasmic Domain) - Images



Anti-TAAR6 antibody IHC of human Brain, Glioblastoma.



Anti-TAAR6 antibody ALS10540 IHC of human kidney, renal tubules.

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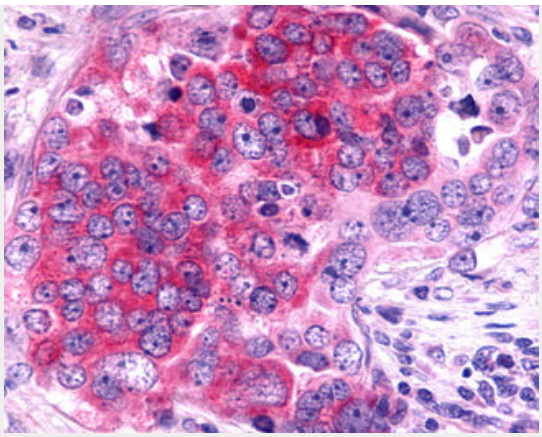
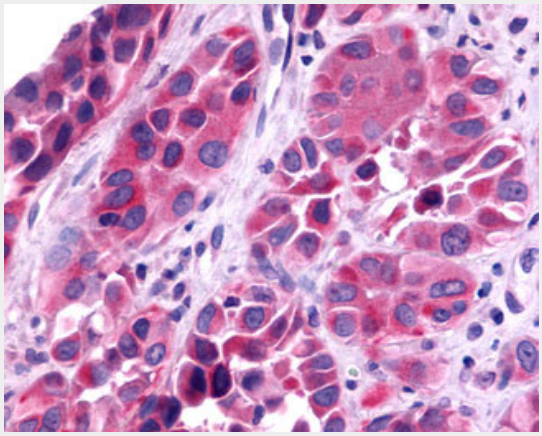


Anti-TAAR6 antibody IHC of human Ovary, Carcinoma.



Anti-TAAR6 antibody IHC of human Skin, Melanoma.

TAAR6 Antibody (Cytoplasmic Domain) - Background

Orphan receptor. Could be a receptor for trace amines. Trace amines are biogenic amines present in very low levels in mammalian tissues. Although some trace amines have clearly defined roles as neurotransmitters in invertebrates, the extent to which they function as true neurotransmitters in vertebrates has remained speculative. Trace amines are likely to be involved in a variety of physiological functions that have yet to be fully understood.

TAAR6 Antibody (Cytoplasmic Domain) - References

Borowsky B.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:8966-8971(2001).
Kopatz S.A.,et al.Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).
Duan J.,et al.Am. J. Hum. Genet. 75:624-638(2004).