10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

TAAR1 / TA1 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody

Catalog # ALS10499

Specification

TAAR1 / TA1 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	Q96RJ0
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

TAAR1 / TA1 Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 134864

Other Names
Trace amine-associated receptor 1, TaR-1, Trace amine receptor 1, TAAR1, TA1, TAR1, TRAR1

Target/Specificity
Human TAAR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

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

Precautions
TAAR1 / TA1 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

TAAR1 / TA1 Antibody (Cytoplasmic Domain) - Protein Information

Name TAAR1

Synonyms TA1, TAR1, TRAR1

Function
Receptor for trace amines, including beta-phenylethylamine (b-PEA), p-tyramine (p-TYR), octopamine and tryptamine, with highest affinity for b-PEA and p-TYR. Unresponsive to classical biogenic amines, such as epinephrine and histamine and only partially activated by dopamine and serotonin. 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. The signal transduced by this receptor is mediated by the G(s)-class of G-proteins which activate adenylate cyclase.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Detected in low levels in discrete regions within the central nervous system and in several peripheral tissues Moderately expressed in stomach. Low levels in amygdala, kidney, and lung, and small intestine. Trace amounts in cerebellum, dorsal root ganglia, hippocampus, hypothalamus, liver, medulla, pancreas, pituitary, pontine reticular formation, prostate, skeletal muscle and spleen

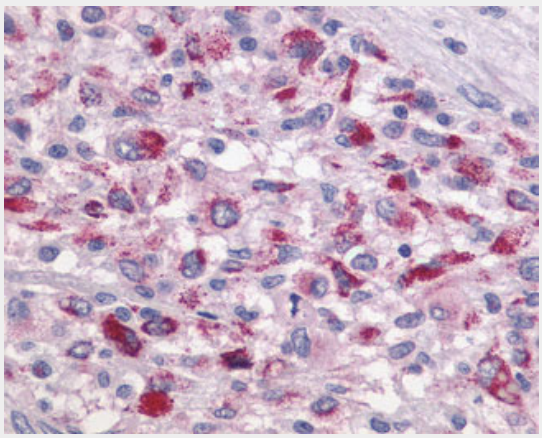
Volume
50 µl

TAAR1 / TA1 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

TAAR1 / TA1 Antibody (Cytoplasmic Domain) - Images



Anti-TAAR1 / TA1 antibody IHC of human Brain, Glioblastoma.

TAAR1 / TA1 Antibody (Cytoplasmic Domain) - Background

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TAAR1 / TA1 Antibody (Cytoplasmic Domain) - References

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