

TAS1R1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16553c

Specification

TAS1R1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q7RTX1
Other Accession	NP_619642.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	93074
Antigen Region	323-351

TAS1R1 Antibody (Center) - Additional Information

Gene ID 80835

Other Names

Taste receptor type 1 member 1, G-protein coupled receptor 70, TAS1R1, GPR70, T1R1, TR1

Target/Specificity

This TAS1R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 323-351 amino acids from the Central region of human TAS1R1.

Dilution

WB~~1:1000

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

TAS1R1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TAS1R1 Antibody (Center) - Protein Information

Name TAS1R1

Synonyms GPR70, T1R1, TR1

Function Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate). Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.

Cellular Location

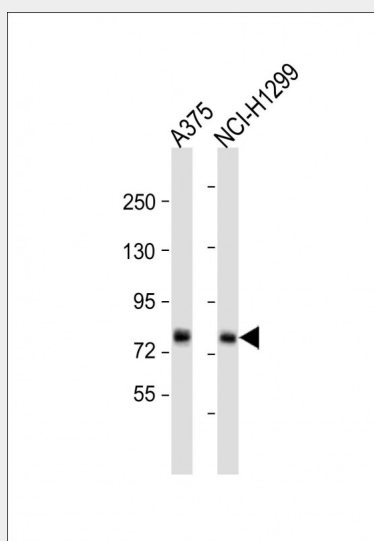
Cell membrane; Multi-pass membrane protein.

TAS1R1 Antibody (Center) - 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](#)

TAS1R1 Antibody (Center) - Images



All lanes : Anti-TAS1R1 Antibody (Center) at 1:1000 dilution Lane 1: A375 whole cell lysate Lane 2: NCI-H1299 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TAS1R1 Antibody (Center) - Background

The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene.

TAS1R1 Antibody (Center) - References

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Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :
Prezeau, L., et al. Curr Opin Pharmacol 10(1):6-13(2010)
Chandrashekar, J., et al. Nature 444(7117):288-294(2006)
Xu, H., et al. Proc. Natl. Acad. Sci. U.S.A. 101(39):14258-14263(2004)