

TAS2R1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12981B

Specification

TAS2R1 Antibody (C-term) - Product Information

WB,E Application **Primary Accession 09NYW7** NP 062545.1 Other Accession Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 34333 Antigen Region 267-296

TAS2R1 Antibody (C-term) - Additional Information

Gene ID 50834

Other Names

Taste receptor type 2 member 1, T2R1, Taste receptor family B member 7, TRB7, TAS2R1

Target/Specificity

This TAS2R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-296 amino acids from the C-terminal region of human TAS2R1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

TAS2R1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TAS2R1 Antibody (C-term) - Protein Information

Name TAS2R1

Function Receptor that may play a role in the perception of bitterness and is gustducin-linked.





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May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5.

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

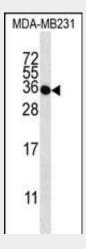
Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells

TAS2R1 Antibody (C-term) - Protocols

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

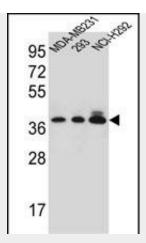
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TAS2R1 Antibody (C-term) - Images



TAS2R1 Antibody (C-term) (Cat. #AP12981b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the TAS2R1 antibody detected the TAS2R1 protein (arrow).





TAS2R1 Antibody (C-term) (Cat. #AP12981b) western blot analysis in MDA-MB231,293,NCI-H292 cell line lysates (35ug/lane). This demonstrates the TAS2R1 antibody detected the TAS2R1 protein (arrow).

TAS2R1 Antibody (C-term) - Background

This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. This intronless taste receptor gene encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is mapped to chromosome 5p15, the location of a genetic locus (PROP) that controls the detection of the bitter compound 6-n-propyl-2-thiouracil.

TAS2R1 Antibody (C-term) - References

Upadhyaya, J., et al. Biochem. Biophys. Res. Commun. 398(2):331-335(2010) Weiss, L.A., et al. Nature 461(7265):802-808(2009) Go, Y., et al. Genetics 170(1):313-326(2005) Fischer, A., et al. Mol. Biol. Evol. 22(3):432-436(2005) Zhang, Y., et al. Cell 112(3):293-301(2003)