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TAS2R13 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17339b

Product Information

Application	WB, E
Primary Accession	Q9NYV9
Other Accession	NP_076409.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37213
Calculated MW	35118
Antigen Region	199-228

Additional Information

Gene ID	50838
Other Names	Taste receptor type 2 member 13, T2R13, Taste receptor family B member 3, TRB3, TAS2R13
Target/Specificity	This TAS2R13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 199-228 amino acids from the C-terminal region of human TAS2R13.
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	TAS2R13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAS2R13
Function	Receptor that may play a role in the perception of bitterness and is gustducin-linked. 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

Background

This gene product belongs to the family of candidate taste receptors that are members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to loci that influence bitter perception in mice and humans. In functional expression studies, they respond to bitter tastants. This gene maps to the taste receptor gene cluster on chromosome 12p13.

References

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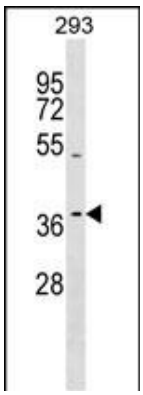
Go, Y., et al. Genetics 170(1):313-326(2005)
Fischer, A., et al. Mol. Biol. Evol. 22(3):432-436(2005)
Zhang, Y., et al. Cell 112(3):293-301(2003)
Montmayeur, J.P., et al. Curr. Opin. Neurobiol. 12(4):366-371(2002)

Images



TAS2R13 Antibody (C-term) (Cat. #AP17339b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the TAS2R13 antibody detected the TAS2R13 protein (arrow).