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TAS2R3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19081b

Product Information

Application	WB, E
Primary Accession	Q9NYW6
Other Accession	NP_058639.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39898
Calculated MW	35915
Antigen Region	287-313

Additional Information

Gene ID	50831
Other Names	Taste receptor type 2 member 3, T2R3, TAS2R3
Target/Specificity	This TAS2R3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-313 amino acids from the C-terminal region of human TAS2R3.
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	TAS2R3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAS2R3
Function	Gustducin-coupled receptor implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel 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. Expressed in the antrum and fundus (part of the stomach), duodenum and in gastric endocrine cells.

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. These apparently intronless taste receptor genes encode a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes in chromosome 7 and is genetically linked to loci that influence bitter perception.

References

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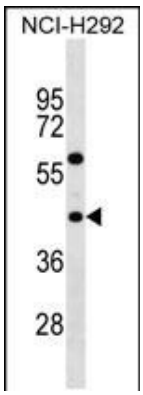
Fischer, A., et al. Mol. Biol. Evol. 22(3):432-436(2005)
Zhang, Y., et al. Cell 112(3):293-301(2003)
Montmayeur, J.P., et al. Curr. Opin. Neurobiol. 12(4):366-371(2002)

Images



TAS2R3 Antibody (C-term) (Cat. #AP19081b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the TAS2R3 antibody detected the TAS2R3 protein (arrow).