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TAS2R31 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16600b

Product Information

Application	WB, E
Primary Accession	P59538
Other Accession	NP_795366.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35870
Calculated MW	35278
Antigen Region	280-309

Additional Information

Gene ID	259290
Other Names	Taste receptor type 2 member 31, T2R31, Taste receptor type 2 member 44, T2R44, Taste receptor type 2 member 53, T2R53, TAS2R31, TAS2R44
Target/Specificity	This TAS2R31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 280-309 amino acids from the C-terminal region of human TAS2R31.
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	TAS2R31 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAS2R31
Synonyms	TAS2R44
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 (By similarity). Activated by the sulfonyl amide sweeteners saccharin and acesulfame K.
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells

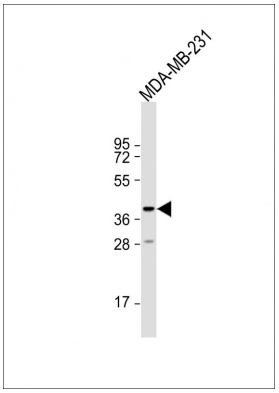
Background

TAS2R44 belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway (Conte et al., 2002 [PubMed 12584440]). For further information on TAS2Rs, see MIM 604791.

References

Pronin, A.N., et al. Curr. Biol. 17(16):1403-1408(2007)
Fischer, A., et al. Mol. Biol. Evol. 22(3):432-436(2005)
Kuhn, C., et al. J. Neurosci. 24(45):10260-10265(2004)
Pronin, A.N., et al. Chem. Senses 29(7):583-593(2004)
Zhang, Y., et al. Cell 112(3):293-301(2003)

Images



Anti-TAS2R31 Antibody (C-term) at 1:1000 dilution + MDA-MB-231 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 : 35 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.