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TAS2R43 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20329c

Product Information

Application	WB, E
Primary Accession	P59537
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42224
Calculated MW	35599
Antigen Region	135-163

Additional Information

Gene ID	259289
Other Names	Taste receptor type 2 member 43, T2R43, Taste receptor type 2 member 52, T2R52, TAS2R43
Target/Specificity	This TAS2R43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-163 amino acids from the Central region of human TAS2R43.
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	TAS2R43 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

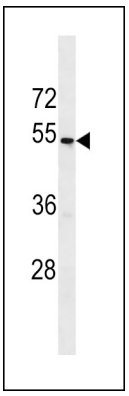
Name	TAS2R43
Function	Gustducin-coupled receptor immplicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5. Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. In airway epithelial

	cells, binding of bitter compounds increases the intracellular calcium ion concentration and stimulates ciliary beat frequency. May act as chemosensory receptors in airway epithelial cells to detect and eliminate potential noxious agents from the airways (By similarity).
Cellular Location	Membrane; Multi- pass membrane protein. Cell projection, cilium membrane. Note=In airway epithelial cells, localizes to motile cilia
Tissue Location	Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells. Expressed in airway epithelia.

Background

Gustducin-coupled receptor immplicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5. Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. In airway epithelial cells, binding of bitter compounds increases the intracellular calcium ion concentration and stimulates ciliary beat frequency. May acts as chemosensory receptors in airway epithelial cells to detect and eliminate potential noxious agents from the airways (By similarity).

Images



TAS2R43 Antibody (Center) (Cat. #AP20329c) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the TAS2R43 antibody detected the TAS2R43 protein (arrow).