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Datasheet for ABIN350977 anti-TAS2R4 antibody



Overview

Overview	
Quantity:	500 µg
Target:	TAS2R4 (Tas2r108)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	A synthetic peptide from human TAS2R4 conjugated to blue carrier protein was used as the antigen.
Isotype:	lgG
Specificity:	Specific for TAS2R4.
Cross-Reactivity:	Human, Marmoset
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	lgG
Target Details	
Target:	TAS2R4 (Tas2r108)
Alternative Name:	TAS2R4 (Tas2r108 Products)

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Target Details	
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 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. FUNCTION: Gustducin-coupled receptor for denatonium and
	N(6)-propyl-2-thiouracil 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. SUBCELLULAR LOCATION: Membrane, Multi-pass membrane protein. TISSUE
	SPECIFICITY: Expressed in subsets of taste receptor cells of the tongue and palate epithelium
	and exclusively in gustducin-positive cells. MISCELLANEOUS: Several bitter taste receptors are
	expressed in a single taste receptor cell.< a
	href="http://www.enzim.hu/hmmtop1.1/server/submit.html">< /a>,Human Taste R,Taste
	receptor type 2 member 4, T2R4
UniProt:	Q9NYW5
Application Details	
Application Notes:	IHC, WB. A concentration of 10-50 μ g,ml is recommended. The optimal concentration should be
	determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 μ L of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months

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