Datasheet for ABIN1385568

anti-TAS2R38 antibody (AA 151-250)

2 Publications

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Overview

Quantity:	100 µL
Target:	TAS2R38
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R38 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human T2R38/TAS2R38
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Chicken
Purification:	Purified by Protein A.

Target Details

Target:	TAS2R38

Target Details

Alternative Name:	T2R38 (TAS2R38 Products)
Background:	Synonyms: PTC, PTC bitter taste receptor, T2R38, T2R61, taste receptor, type 2, member 38, T2R38_HUMAN. Background: The sense of taste is essential for the survival of organisms. For example, the ability to identify sweet-tasting foods enables animals to seek out food with high nutritive value, whereas the ability to identify bitter substances enables them to avoid the ingestion of potentially harmful substances. A family of integral membrane proteins are involved in taste perception and include T1R, which is involved in sweet taste perception and T2R, which is involved in bitter taste perception. Both types of taste receptors couple to various G proteins to initiate signal transduction cascades. Specifically, T2R38 is expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells. Variations in T2R38 are associated with the ability to taste the bitter chemical phenylthiocarbamide (PTC), also called thiourea tasting.
Gene ID:	5726

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Gaida, Dapunt, Hänsch: "Sensing developing biofilms: the bitter receptor T2R38 on myeloid cells." in: **Pathogens and disease**, Vol. 74, Issue 3, (2016) (PubMed). Maurer, Wabnitz, Kahle, Stegmaier, Prior, Giese, Gaida, Samstag, Hänsch: "Tasting Pseudomonas aeruginosa Biofilms: Human Neutrophils Express the Bitter Receptor T2R38 as Sensor for the Quorum Sensing Molecule N-(3-Oxododecanoyl)-l-Homoserine Lactone." in: **Frontiers in immunology**, Vol. 6, pp. 369, (2015) (PubMed).