Datasheet for ABIN1392323

anti-TAS2R7 antibody (AA 121-220) (Alexa Fluor 555)

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Overview

Quantity:	100 µL
Target:	TAS2R7
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R7 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TAS2R7/T2R7
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	TAS2R7
Alternative Name:	TAS2R7/T2R7 (TAS2R7 Products)
Background:	Synonyms: STC7 4, T2R30, T2R6, T2R7, TA2R7_HUMAN, Tas2r130, Tas2r6, TAS2R7, Taste

Target Details

	receptor family B member 4, Taste receptor type 2 member 7, TRB4. Background: The sense of taste provides animals with valuable information about the quality and nutritional value of food. A family of G protein-coupled receptors are involved in taste perception and include T1R, which is involved in sweet and umami 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. Single taste receptor cells express a variety of T2Rs, suggesting that each cell is capable of recognizing multiple tastants. T2R6 (also designatedT2R30, mt2r42, STC 7-4 or taste receptor, type 2, member 130) is an integral membrane receptor protein in mice that may play a role in the perception of bitterness and 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. T2R6 is expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells. The human homolog of T2R6, designated T2R7 (TAS2R7, TRB4 or taste receptor, type 2, member 7) is a G protein-coupled receptor expressed in taste receptor cells of the tongue and palate epithelia.

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date:	12 months

