

Datasheet for ABIN1410218

anti-TAS2R7 antibody (AA 121-220) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TAS2R7
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R7 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (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 designated T2R30, 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:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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Restrictions:	For Research Use only
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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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months