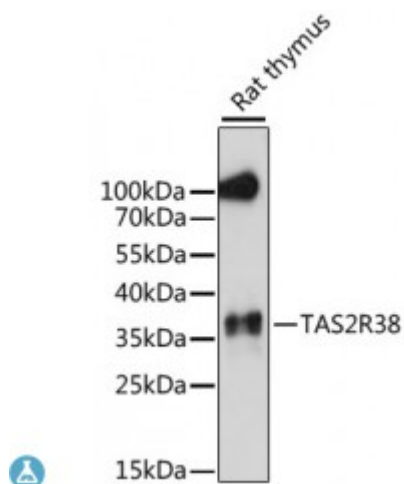


Anti-TAS2R38 Antibody



Description

This gene encodes a seven-transmembrane G protein-coupled receptor that controls the ability to taste glucosinolates, a family of bitter-tasting compounds found in plants of the Brassica sp. Synthetic compounds phenylthiocarbamide (PTC) and 6-n-propylthiouracil (PROP) have been identified as ligands for this receptor and have been used to test the genetic diversity of this gene. Although several allelic forms of this gene have been identified worldwide, there are two predominant common forms (taster and non-taster) found outside of Africa. These alleles differ at three nucleotide positions resulting in amino acid changes in the protein (A49P, A262V, and V296I) with the amino acid combination PAV identifying the taster variant (and AVI identifying the non-taster variant).

Model	STJ117281
Host	Rabbit
Reactivity	Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human TAS2R38 (NP_789787.4).
Gene ID	5726
Gene Symbol	TAS2R38
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells, Expressed in testis
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Taste receptor type 2 member 38 T2R38 PTC bitter taste receptor Taste receptor type 2 member 61 T2R61
Molecular Weight	37.892 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9584OMIM:171200Reactome:R-HSA-418594
Alternative Names	Taste receptor type 2 member 38 T2R38 PTC bitter taste receptor Taste receptor type 2 member 61 T2R61
Function	Receptor that may play a role in the perception of bitterness and is gustducin-linked, May play a role 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 ,
Cellular Localization	Membrane

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