



T2R16 Monoclonal Antibody

Catalog No	YP-mAb-13681
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TAS2R16
Immunogen	The antiserum was produced against synthesized peptide derived from human TAS2R16. AA range:136-185
Specificity	T2R16 Monoclonal Antibody detects endogenous levels of T2R16 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	T2R16;TAS2R16;Taste receptor type 2 member 16
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in a subset of gustducin-positive taste receptor cells of the tongue. Expressed in circumvallate papillae and testis (PubMed:16720576).
Function	function:Gustducin-coupled receptor 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., miscellaneous:Confers bitter perception of salicin to non-taster mice., miscellaneous:Several bitter taste receptors are expressed in a single taste receptor cell.,polymorphism:The Lys-172 polymorphism in TAS2R16 is associated with genetic susceptibility to alcoholism [MIM:103780]., similarity:Belongs to the G-protein coupled receptor T2R family.,tissue specificity:Expressed in a subset of gustducin-positive taste receptor cells of the tongue.,



Background

This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily. These family members are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless genes encodes 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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

