



T2R16 Polyclonal Antibody

Catalog No	YP-Ab-13681
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IF;ELISA
Gene Name	TAS2R16
Immunogen	The antiserum was produced against synthesized peptide derived from human TAS2R16. AA range:136-185
Specificity	T2R16 Polyclonal Antibody detects endogenous levels of T2R16 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
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],

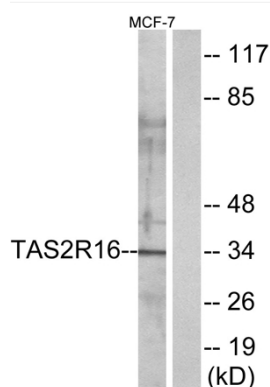
matters needing attention

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



Western blot analysis of lysates from MCF-7 cells, using TAS2R16 Antibody. The lane on the right is blocked with the synthesized peptide.