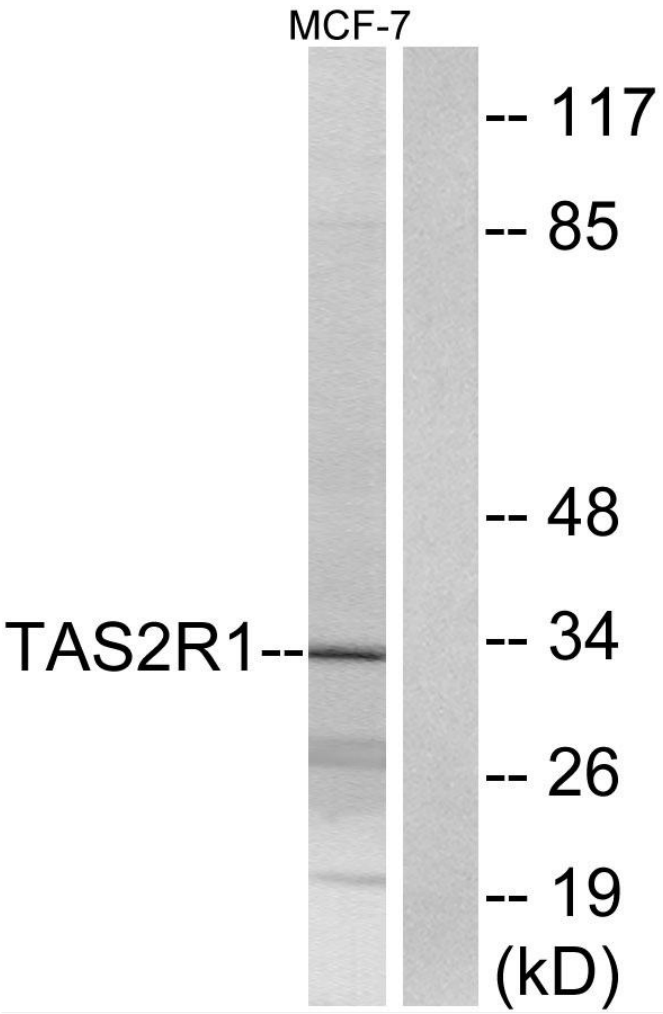
T2R1 Monoclonal Antibody

Catalog No	BYmab-13677
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TAS2R1
Protein Name	Taste receptor type 2 member 1
Immunogen	The antiserum was produced against synthesized peptide derived from human TAS2R1. AA range:6-55
Specificity	T2R1 Monoclonal Antibody detects endogenous levels of T2R1 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TAS2R1; Taste receptor type 2 member 1; T2R1; Taste receptor family B member 7; TRB7
Observed Band	33kD
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells.
Function	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.,miscellaneous:Most taste cells may be activated by a limited number of bitter compounds; individual taste cells can discriminate among bitter stimuli.,similarity:Belongs to the G-protein coupled receptor T2R family.,tissue specificity:Expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells.,

Background	This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. This intronless taste receptor gene encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is mapped to chromosome 5p15, the location of a genetic locus (PROP) that controls the detection of the bitter compound 6-n-propyl-2-thiouracil. [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 various cells using T2R1 Monoclonal Antibody