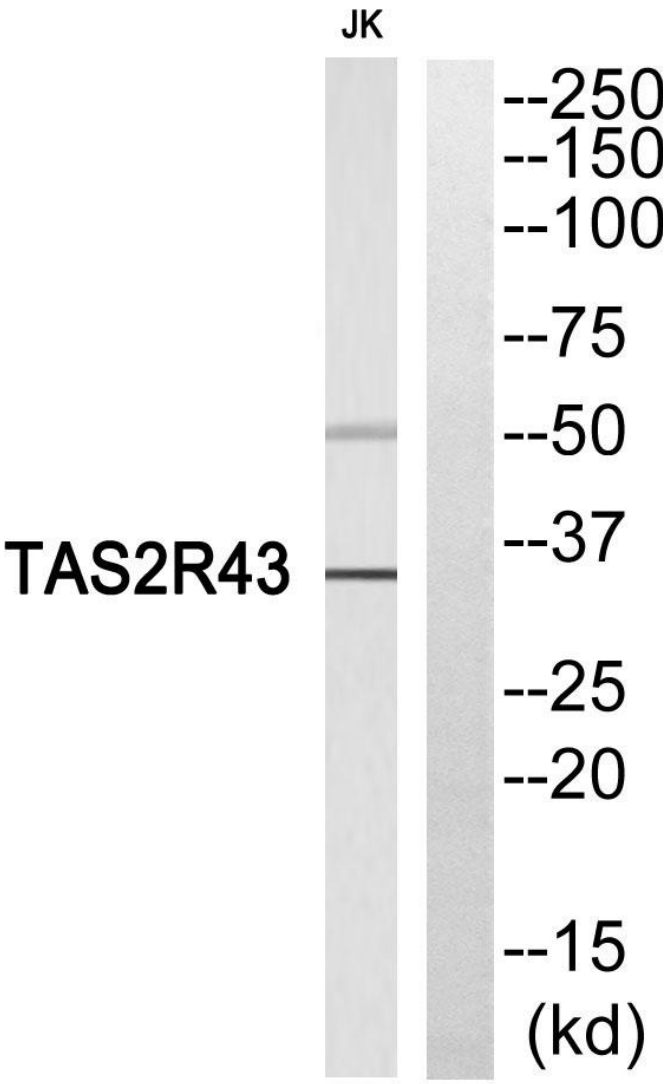
T2R43 Monoclonal Antibody

Catalog No	BYmab-13684
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TAS2R43
Protein Name	Taste receptor type 2 member 43
Immunogen	The antiserum was produced against synthesized peptide derived from human TAS2R43. AA range:124-173
Specificity	T2R43 Monoclonal Antibody detects endogenous levels of T2R43 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	TAS2R43; Taste receptor type 2 member 43; T2R43; Taste receptor type 2 member 52; T2R52
Observed Band	35kD
Cell Pathway	Membrane ; Multi-pass membrane protein . Cell projection, cilium membrane . In airway epithelial cells, localizes to motile cilia.
Tissue Specificity	Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells. Expressed in airway epithelia.
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 (By similarity). Activated by the sulfonyl amide sweeteners saccharin and acesulfame K.,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 exclusively in gustducin-positive cells.,

Background	TAS2R43 belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway (Conte et al., 2002 [PubMed 12584440]). For further information on TAS2Rs, see MIM 604791.[supplied by OMIM, Mar 2009],
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 T2R43 Monoclonal Antibody