OR2M3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR2M3, Polyclonal Antibody
Full Product Name	OR2M3, CT (OR2M3, OR2M3P, OR2M6, Olfactory receptor 2M3, Olfactory receptor 2M6, Olfactory receptor OR1-54) (MaxLight 405)
Product Gene Name	anti-OR2M3 antibody
Product Synonym Names	OR2M3; OR2M3P; OR2M6; Olfactory receptor 2M3; Olfactory receptor 2M6; Olfactory receptor OR1-54
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,827 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (248366370..248367308). Location: 1q44
3D Structure	ModBase 3D Structure for Q8NG83
Immunogen	OR2M3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 247-276 amino acids from the C-terminal region of human OR2M3.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-OR2M3 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR2M3 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-OR2M3 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-OR2M3 antibody	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.
Product References and Citations for anti-OR2M3 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Fuchs, T., et al. Genomics 80(3):295-302(2002).

Other Notes	Small volumes of anti-OR2M3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OR2M3 purchase	MBS6328464 is an antibody targeting OR2M3. Also known as OR2M3, CT (OR2M3, OR2M3P, OR2M6, Olfactory receptor 2M3, Olfactory receptor 2M6, Olfactory receptor OR1-54) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2M3. It may not necessarily be applicable to this product.

NCBI GI #	52317200
NCBI GeneID	127062
NCBI Accession #	NP_001004689.1
UniProt Primary Accession #	Q8NG83
UniProt Secondary Accession #	Q6IEY0; B9EH06
UniProt Related Accession #	Q8NG83
GenBank Nucleotide #	NM_001004689.1
NCBI Official Full Name	olfactory receptor 2M3
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily M, member 3
NCBI Official Symbol	OR2M3
NCBI Official Synonym Symbols	OR2M6; OR1-54; OR2M3P; OST003
UniProt Protein Name	Olfactory receptor 2M3
UniProt Synonym Protein Names	Olfactory receptor 2M6; Olfactory receptor OR1-54
Protein Family	Olfactory receptor
UniProt Gene Name	OR2M3
UniProt Synonym Gene Names	OR2M3P; OR2M6
UniProt Entry Name	OR2M3_HUMAN
NCBI Protein Information	olfactory receptor 2M3; olfactory receptor 2M6; olfactory receptor OR1-54; olfactory receptor, family 2, subfamily M, member 6; novel 7 transmembrane receptor (rhodopsin family) protein; olfactory receptor, family 2, subfamily M, member 3 pseudogene
UniProt Comments for OR2M3	OR2M3: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q44 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception of smell
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