OR1N2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR1N2, Polyclonal Antibody
Full Product Name	OR1N2, NT (OR1N2, Olfactory receptor 1N2, Olfactory receptor OR9-23) (MaxLight 550)
Product Gene Name	anti-OR1N2 antibody
Product Synonym Names	OR1N2; Olfactory receptor 1N2; Olfactory receptor OR9-23
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 MaxLight550.
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: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	36,889 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (125315449..125316441). Location: 9q33.2
3D Structure	ModBase 3D Structure for Q8NGR9
Immunogen	OR1N2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human OR1N2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-OR1N2 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR1N2 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR1N2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR1N2 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-OR1N2 antibody	Letra, A., et al. Am. J. Med. Genet. A 152A (7), 1701-1710 (2010): 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-OR1N2 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 OR1N2 purchase	MBS6328246 is an antibody targeting OR1N2. Also known as OR1N2, NT (OR1N2, Olfactory receptor 1N2, Olfactory receptor OR9-23) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR1N2. It may not necessarily be applicable to this product.

NCBI GI #	52317166
NCBI GeneID	138882
NCBI Accession #	NP_001004457.1
UniProt Primary Accession #	Q8NGR9
UniProt Secondary Accession #	Q6IF17; Q96RA3; A3KFM2; B2RNY4
UniProt Related Accession #	Q8NGR9
GenBank Nucleotide #	NM_001004457.1
NCBI Official Full Name	olfactory receptor 1N2
NCBI Official Synonym Full Names	olfactory receptor, family 1, subfamily N, member 2
NCBI Official Symbol	OR1N2
NCBI Official Synonym Symbols	OR9-23
UniProt Protein Name	Olfactory receptor 1N2
UniProt Synonym Protein Names	Olfactory receptor OR9-23
Protein Family	Olfactory receptor
UniProt Gene Name	OR1N2
UniProt Entry Name	OR1N2_HUMAN
NCBI Protein Information	olfactory receptor 1N2; olfactory receptor OR9-23
UniProt Comments for OR1N2	OR1N2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; Membrane protein, integral; GPCR, family 1 Chromosomal Location of Human Ortholog: 9q33.2 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; transmembrane receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception; detection of chemical stimulus involved in sensory perception of smell
Research Articles on OR1N2	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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