OR2Z1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR2Z1, Polyclonal Antibody
Full Product Name	OR2Z1, NT (OR2Z1, OR2Z2, Olfactory receptor 2Z1, Olfactory receptor 2Z2, Olfactory receptor OR19-4) (MaxLight 650)
Product Gene Name	anti-OR2Z1 antibody
Product Synonym Names	OR2Z1; OR2Z2; Olfactory receptor 2Z1; Olfactory receptor 2Z2; Olfactory receptor OR19-4
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 MaxLight650.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,444 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (8841391..8842335). Location: 19p13.2
3D Structure	ModBase 3D Structure for Q8NG97
Immunogen	OR2Z1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of human OR2Z1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-OR2Z1 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR2Z1 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-OR2Z1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-OR2Z1 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-OR2Z1 antibody	Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008). 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-OR2Z1 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 OR2Z1 purchase	MBS6328621 is an antibody targeting OR2Z1. Also known as OR2Z1, NT (OR2Z1, OR2Z2, Olfactory receptor 2Z1, Olfactory receptor 2Z2, Olfactory receptor OR19-4) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2Z1. It may not necessarily be applicable to this product.

NCBI GI #	52317227
NCBI GeneID	284383
NCBI Accession #	NP_001004699.1
UniProt Primary Accession #	Q8NG97
UniProt Secondary Accession #	Q6IFK0; Q96R25; B9EH50
UniProt Related Accession #	Q8NG97
GenBank Nucleotide #	NM_001004699.1
NCBI Official Full Name	olfactory receptor 2Z1
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily Z, member 1
NCBI Official Symbol	OR2Z1
NCBI Official Synonym Symbols	OR2Z2; OR19-4
UniProt Protein Name	Olfactory receptor 2Z1
UniProt Synonym Protein Names	Olfactory receptor 2Z2; Olfactory receptor OR19-4
Protein Family	Olfactory receptor
UniProt Gene Name	OR2Z1
UniProt Synonym Gene Names	OR2Z2
UniProt Entry Name	OR2Z1_HUMAN
NCBI Protein Information	olfactory receptor 2Z1; olfactory receptor 2Z2; olfactory receptor OR19-4; olfactory receptor, family 2, subfamily Z, member 2
UniProt Comments for OR2Z1	OR2Z1: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: integral to membrane; plasma 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
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/or2z1/6328621