OR52D1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR52D1, Polyclonal Antibody
Full Product Name	OR52D1, CT (OR52D1, Olfactory receptor 52D1, Odorant receptor HOR5'beta14, Olfactory receptor OR11-43) (MaxLight 650)
Product Gene Name	anti-OR52D1 antibody
Product Synonym Names	OR52D1; Olfactory receptor 52D1; Odorant receptor HOR5'beta14; Olfactory receptor OR11-43
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	35,122 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (5509915..5510979). Location: 11p15.4
3D Structure	ModBase 3D Structure for Q9H346
Immunogen	OR52D1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 251-281 amino acids from the C-terminal region of human OR52D1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-OR52D1 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR52D1 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-OR52D1 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-OR52D1 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-OR52D1 antibody	Shimada, M., et al. Hum. Genet. 128(4):433-441(2010). Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Bulger, M., et al. Proc. Natl. Acad. Sci. U.S.A. 97(26):14560-14565(2000). Bulger, M., et al. Proc. Natl. Acad. Sci. U.S.A. 96(9):5129-5134(1999).

Other Notes	Small volumes of anti-OR52D1 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 OR52D1 purchase	MBS6329061 is an antibody targeting OR52D1. Also known as OR52D1, CT (OR52D1, Olfactory receptor 52D1, Odorant receptor HOR5'beta14, Olfactory receptor OR11-43) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR52D1. It may not necessarily be applicable to this product.

NCBI GI #	52353332
NCBI GeneID	390066
NCBI Accession #	NP_001005163.1
UniProt Primary Accession #	Q9H346
UniProt Secondary Accession #	Q6IFI6; B9EGY9
UniProt Related Accession #	Q9H346
GenBank Nucleotide #	NM_001005163.2
NCBI Official Full Name	olfactory receptor 52D1
NCBI Official Synonym Full Names	olfactory receptor, family 52, subfamily D, member 1
NCBI Official Symbol	OR52D1
NCBI Official Synonym Symbols	OR11-43
UniProt Protein Name	Olfactory receptor 52D1
UniProt Synonym Protein Names	Odorant receptor HOR5'beta14; Olfactory receptor OR11-43
Protein Family	Olfactory receptor
UniProt Gene Name	OR52D1
UniProt Entry Name	O52D1_HUMAN
NCBI Protein Information	olfactory receptor 52D1; HOR 5'Beta14; olfactory receptor OR11-43; odorant receptor HOR5'beta14
UniProt Comments for OR52D1	OR52D1: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR; GPCR, family 1 Chromosomal Location of Human Ortholog: 11p15.4 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; sensory perception of smell; detection of chemical stimulus involved in sensory perception of smell
Research Articles on OR52D1	**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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