Olfactory Receptor 1d2 (OR1D2) Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Olfactory receptor 1D2 (OR1D2), Polyclonal Antibody
Full Product Name	Olfactory receptor 1D2 Polyclonal Antibody
Product Gene Name	anti-OR1D2 antibody
Clonality	Polyclonal
Molecular Weight	35,240 Da
OMIM	164342
3D Structure	ModBase 3D Structure for P34982
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-OR1D2 antibody	MBS8524263 is an antibody targeting OR1D2. Also known as Olfactory receptor 1D2 Polyclonal Antibody.
Other Notes	Small volumes of anti-OR1D2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR1D2. It may not necessarily be applicable to this product.

NCBI GI #	289547582
NCBI GeneID	4991
NCBI Accession #	NP_002539.2
UniProt Primary Accession #	P34982
UniProt Secondary Accession #	Q6IFL8; Q96RA4; Q9UM78
UniProt Related Accession #	P34982
GenBank Nucleotide #	NM_002548.2
NCBI Official Full Name	olfactory receptor 1D2
NCBI Official Synonym Full Names	olfactory receptor family 1 subfamily D member 2
NCBI Official Symbol	OR1D2
NCBI Official Synonym Symbols	OLFR1; OR17-4
UniProt Protein Name	Olfactory receptor 1D2
UniProt Synonym Protein Names	Olfactory receptor 17-4; OR17-4; Olfactory receptor OR17-6; Olfactory receptor-like protein HGMP07E
Protein Family	Olfactory receptor
UniProt Gene Name	OR1D2
UniProt Synonym Gene Names	OLFR1; OR17-4
NCBI Protein Information	olfactory receptor 1D2

NCBI Summary for OR1D2	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. [provided by RefSeq, Jul 2008]
UniProt Comments for OR1D2	Odorant receptor which may be involved in sperm chemotaxis. Bourgeonal is a strong chemoattractant for sperm in vitro and is shown to be a strong agonist for OR1D2 in vitro. May also function in olfactory reception.
Research Articles on OR1D2	**1.** The present preliminary study seems to confirm the important role of OR1D2 both in nose and spermatozoa and may explain the idiopathic infertility of the study group.
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