Olfactory Receptor 51b2 (51B2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Olfactory receptor 51B2, Polyclonal Antibody
Full Product Name	Olfactory receptor 51B2 Polyclonal Antibody
Product Gene Name	anti-51B2 antibody
Product Synonym Names	OR51B2; OR51B1P; Olfactory receptor 51B2; Odorant receptor HOR5'beta3; Olfactory receptor 51B1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	Olfactory receptor 51B2 Polyclonal Antibody detects endogenous levels of Olfactory receptor 51B2 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	35,373 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (5344528..5345582, complement). Location: 11p15
3D Structure	ModBase 3D Structure for Q9Y5P1
Immunogen	Synthesized peptide derived from the Internal region of human Olfactory receptor 51B2.
Product Categories/Family for anti-51B2 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-51B2 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-51B2 antibody	WB: 1:500-1:2000 IF: 1:200-1:1000 ELISA: 1:10000
Related Product Information for anti-51B2 antibody	MBS8592573 is an antibody targeting 51B2. Also known as Olfactory receptor 51B2 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-51B2 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 51B2. It may not necessarily be applicable to this product.

NCBI GI #	157738623
NCBI GeneID	79345
NCBI Accession #	NP_149420.4

UniProt Primary Accession #	Q9Y5P1
UniProt Secondary Accession #	Q96RD4
UniProt Related Accession #	Q9Y5P1
GenBank Nucleotide #	NM_033180.4
NCBI Official Full Name	olfactory receptor 51B2
NCBI Official Synonym Full Names	olfactory receptor, family 51, subfamily B, member 2
NCBI Official Symbol	OR51B2
NCBI Official Synonym Symbols	OR51B1P; HOR5'Beta3
UniProt Protein Name	Olfactory receptor 51B2
UniProt Synonym Protein Names	Odorant receptor HOR5'beta3; Olfactory receptor 51B1
Protein Family	Olfactory receptor
UniProt Gene Name	OR51B2
UniProt Synonym Gene Names	OR51B1P
UniProt Entry Name	O51B2_HUMAN
NCBI Protein Information	olfactory receptor 51B2; olfactory receptor 51B1; odorant receptor HOR5'beta3
NCBI Summary for 51B2	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 51B2	OR51B2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass; GPCR, family 1 Chromosomal Location of Human Ortholog: 11p15 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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