OR51I1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR51I1, Polyclonal Antibody
Full Product Name	OR51I1 Antibody
Product Gene Name	anti-OR51I1 antibody
Product Synonym Names	OR51I1; Olfactory receptor 51I1; Odorant receptor HOR5'beta11; Olfactory receptor OR11-39
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	35,484 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (5461772..5462783, complement). Location: 11p15.4
3D Structure	ModBase 3D Structure for Q9H343
Immunogen	Synthesized peptide derived from the C-terminal region of human Olfactory receptor 51I1.
Immunogen Species	Human
Conjugate	Non-conjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-OR51I1 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-OR51I1 antibody	WB: 1:500-1:2000 IF: 1:200-1:1000 ELISA: 1:10000
Related Product Information for anti-OR51I1 antibody	MBS7121542 is an antibody targeting OR51I1. Also known as OR51I1 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-OR51I1 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 OR51I1. It may not necessarily be applicable to this product.

NCBI GI #	52627205
NCBI GeneID	390063
NCBI Accession #	NP_001005288.1

UniProt Primary Accession #	Q9H343
UniProt Secondary Accession #	Q6IF33; B9EKW2
UniProt Related Accession #	Q9H343
GenBank Nucleotide #	NM_001005288.2
NCBI Official Full Name	olfactory receptor 51I1
NCBI Official Synonym Full Names	olfactory receptor, family 51, subfamily I, member 1
NCBI Official Symbol	OR51I1
UniProt Protein Name	Olfactory receptor 51I1
UniProt Synonym Protein Names	Odorant receptor HOR5'beta11; Olfactory receptor OR11-39
Protein Family	Olfactory receptor
UniProt Gene Name	OR51I1
UniProt Entry Name	O51I1_HUMAN
NCBI Protein Information	olfactory receptor 51I1; HOR5'Beta11; olfactory receptor OR11-39; odorant receptor HOR5'beta11
NCBI Summary for OR51I1	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 OR51I1	OR51I1: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; GPCR, family 1; Receptor, GPCR; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 11p15.4 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; sensory perception of smell; detection of chemical stimulus involved in sensory perception of smell
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