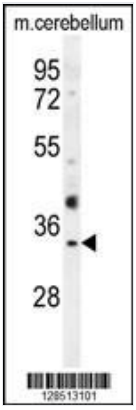
OR51I1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR51I1, Polyclonal Antibody
Full Product Name	OR51I1, CT (OR51I1, Olfactory receptor 51I1, Odorant receptor HOR5'beta11, Olfactory receptor OR11-39) (Biotin)
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, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
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	OR51I1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-321 amino acids from the C-terminal region of human OR51I1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-OR51I1 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR51I1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR51I1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR51I1 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-OR51I1 antibody	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-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.

Searchable Terms for OR51I1 purchase	MBS6328967 is an antibody targeting OR51I1. Also known as OR51I1, CT (OR51I1, Olfactory receptor 51I1, Odorant receptor HOR5'beta11, Olfactory receptor OR11-39) (Biotin). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-OR51I1 antibody
OR51I1 Antibody (C-term) western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the OR51I1 antibody detected the OR51I1 protein (arrow).

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

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
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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