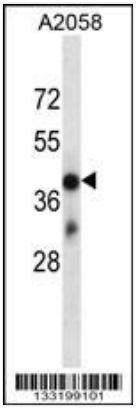
OR4D6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR4D6, Polyclonal Antibody
Full Product Name	OR4D6, CT (OR4D6, Olfactory receptor 4D6, Olfactory receptor OR11-250) (APC)
Product Gene Name	anti-OR4D6 antibody
Product Synonym Names	OR4D6; Olfactory receptor 4D6; Olfactory receptor OR11-250
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 Allophycocyanin (APC).
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,954 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (59224434..59225378). Location: 11q12.1
3D Structure	ModBase 3D Structure for Q8NGJ1
Immunogen	OR4D6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-312 amino acids from the C-terminal region of human OR4D6.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-OR4D6 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR4D6 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR4D6 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR4D6 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-OR4D6 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Fuchs, T., et al. Genomics 80(3):295-302(2002).

Other Notes	Small volumes of anti-OR4D6 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 OR4D6 purchase	MBS6328713 is an antibody targeting OR4D6. Also known as OR4D6, CT (OR4D6, Olfactory receptor 4D6, Olfactory receptor OR11-250) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR4D6 antibody
OR4D6 Antibody (C-term) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the OR4D6 antibody detected the OR4D6 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4D6. It may not necessarily be applicable to this product.

NCBI GI #	52317245
NCBI GeneID	219983
NCBI Accession #	NP_001004708.1
UniProt Primary Accession #	Q8NGJ1
UniProt Secondary Accession #	Q6IFF5; Q96R74; B2RNP7
UniProt Related Accession #	Q8NGJ1
GenBank Nucleotide #	NM_001004708.1
NCBI Official Full Name	olfactory receptor 4D6
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily D, member 6
NCBI Official Symbol	OR4D6
NCBI Official Synonym Symbols	OR11-250
UniProt Protein Name	Olfactory receptor 4D6
UniProt Synonym Protein Names	Olfactory receptor OR11-250
Protein Family	Olfactory receptor
UniProt Gene Name	OR4D6
UniProt Entry Name	OR4D6_HUMAN
NCBI Protein Information	olfactory receptor 4D6; olfactory receptor OR11-250

UniProt Comments for OR4D6	OR4D6: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 11q12.1 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; transmembrane receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception; 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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