OR10A4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR10A4, Polyclonal Antibody
Full Product Name	OR10A4, CT (OR10A4, OR10A4P, Olfactory receptor 10A4, HP2, Olfactory receptor-like protein JCG5) (MaxLight 405)
Product Gene Name	anti-OR10A4 antibody
Product Synonym Names	OR10A4; OR10A4P; Olfactory receptor 10A4; HP2; Olfactory receptor-like protein JCG5
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 MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
3D Structure	ModBase 3D Structure for Q9H209
Immunogen	OR10A4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the C-terminal region of human OR10A4.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-OR10A4 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR10A4 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR10A4 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR10A4 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-OR10A4 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). Gaudin, J.C., et al. Chem. Senses 26(9):1157-1166(2001). Lane, R.P., et al. Proc. Natl. Acad. Sci. U.S.A. 98(13):7390-7395(2001).
Other Notes	Small volumes of anti-OR10A4 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 OR10A4 purchase	MBS6327892 is an antibody targeting OR10A4. Also known as OR10A4, CT (OR10A4, OR10A4P, Olfactory receptor 10A4, HP2, Olfactory receptor-like protein JCG5) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR10A4. It may not necessarily be applicable to this product.

NCBI GI #	46395479
NCBI GeneID	283297
NCBI Accession #	NP_997069.1
UniProt Primary Accession #	Q9H209
UniProt Related Accession #	Q9H209
GenBank Nucleotide #	NP_997069.1
NCBI Official Full Name	olfactory receptor, family 10, subfamily A, member 4
NCBI Official Synonym Full Names	olfactory receptor family 10 subfamily A member 4
NCBI Official Symbol	OR10A4
NCBI Official Synonym Symbols	JCG5; OR10A4P
UniProt Protein Name	Olfactory receptor 10A4
UniProt Synonym Protein Names	HP2; Olfactory receptor-like protein JCG5
Protein Family	Olfactory receptor
UniProt Gene Name	OR10A4
UniProt Synonym Gene Names	OR10A4P
UniProt Entry Name	O10A4_HUMAN
NCBI Protein Information	olfactory receptor 10A4
UniProt Comments for OR10A4	OR10A4: Odorant receptor (Potential). May be involved in taste perception. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1 Chromosomal Location of Human Ortholog: 11p15.4 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: axon guidance; G-protein coupled receptor protein signaling pathway; 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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