OR4X2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR4X2, Polyclonal Antibody
Full Product Name	OR4X2, CT (OR4X2, Olfactory receptor 4X2, Olfactory receptor OR11-105) (MaxLight 550)
Product Gene Name	anti-OR4X2 antibody
Product Synonym Names	OR4X2; Olfactory receptor 4X2; Olfactory receptor OR11-105
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 MaxLight550.
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: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,289 Da
3D Structure	ModBase 3D Structure for Q8NGF9
Immunogen	OR4X2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-303 amino acids from the C-terminal region of human OR4X2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-OR4X2 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR4X2 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR4X2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR4X2 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-OR4X2 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-OR4X2 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 OR4X2 purchase	MBS6328939 is an antibody targeting OR4X2. Also known as OR4X2, CT (OR4X2, Olfactory receptor 4X2, Olfactory receptor OR11-105) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4X2. It may not necessarily be applicable to this product.

NCBI GI #	52317106
NCBI GeneID	119764
NCBI Accession #	NP_001004727.1
UniProt Primary Accession #	Q8NGF9
UniProt Secondary Accession #	Q6IF73; Q96R63; B2RNK3
UniProt Related Accession #	Q8NGF9
GenBank Nucleotide #	NM_001004727.1
NCBI Official Full Name	olfactory receptor 4X2
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily X, member 2
NCBI Official Symbol	OR4X2
NCBI Official Synonym Symbols	OR11-105
UniProt Protein Name	Olfactory receptor 4X2
UniProt Synonym Protein Names	Olfactory receptor OR11-105
Protein Family	Olfactory receptor
UniProt Gene Name	OR4X2
UniProt Entry Name	OR4X2_HUMAN
NCBI Protein Information	olfactory receptor 4X2; olfactory receptor OR11-105
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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