OR2A12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR2A12, Polyclonal Antibody
Full Product Name	OR2A12, CT (OR2A12, OR2A12P, Olfactory receptor 2A12, Olfactory receptor OR7-10) (MaxLight 490)
Product Gene Name	anti-OR2A12 antibody
Product Synonym Names	OR2A12; OR2A12P; Olfactory receptor 2A12; Olfactory receptor OR7-10
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 MaxLight490.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,213 Da
3D Structure	ModBase 3D Structure for Q8NGT7
Immunogen	OR2A12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-271 amino acids from the C-terminal region of human OR2A12.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-OR2A12 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR2A12 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR2A12 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR2A12 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-OR2A12 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Gilad, Y., et al. Mol. Biol. Evol. 20(3):307-314(2003). Fuchs, T., et al. Genomics 80(3):295-302(2002).
Other Notes	Small volumes of anti-OR2A12 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 OR2A12 purchase	MBS6328278 is an antibody targeting OR2A12. Also known as OR2A12, CT (OR2A12, OR2A12P, Olfactory receptor 2A12, Olfactory receptor OR7-10) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2A12. It may not necessarily be applicable to this product.

NCBI GI #	51921273
NCBI GeneID	346525
NCBI Accession #	NP_001004135.1
UniProt Primary Accession #	Q8NGT7
UniProt Secondary Accession #	Q6IF43
UniProt Related Accession #	Q8NGT7
GenBank Nucleotide #	NM_001004135.1
NCBI Official Full Name	olfactory receptor 2A12
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily A, member 12
NCBI Official Symbol	OR2A12
NCBI Official Synonym Symbols	OR2A12P; OR2A16P
UniProt Protein Name	Olfactory receptor 2A12
UniProt Synonym Protein Names	Olfactory receptor OR7-10
Protein Family	Olfactory receptor
UniProt Gene Name	OR2A12
UniProt Synonym Gene Names	OR2A12P
UniProt Entry Name	O2A12_HUMAN
NCBI Protein Information	olfactory receptor 2A12; olfactory receptor OR7-10; olfactory receptor, family 2, subfamily A, member 12 pseudogene; olfactory receptor, family 2, subfamily A, member 16 pseudogene
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