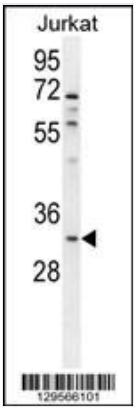
OR5B12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR5B12, Polyclonal Antibody
Full Product Name	OR5B12, CT (OR5B12, OR5B12P, OR5B16, Olfactory receptor 5B12, Olfactory receptor 5B16, Olfactory receptor OR11-241) (Azide free) (HRP)
Product Gene Name	anti-OR5B12 antibody
Product Synonym Names	OR5B12; OR5B12P; OR5B16; Olfactory receptor 5B12; Olfactory receptor 5B16; Olfactory receptor OR11-241
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 Horseradish Peroxidase (HRP).
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. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	35,182 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (58206593..58207646, complement). Location: 11q12.1
3D Structure	ModBase 3D Structure for Q96R08
Immunogen	OR5B12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-314 amino acids from the C-terminal region of human OR5B12.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-OR5B12 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR5B12 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR5B12 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR5B12 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-OR5B12 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-OR5B12 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 OR5B12 purchase	MBS6329211 is an antibody targeting OR5B12. Also known as OR5B12, CT (OR5B12, OR5B12P, OR5B16, Olfactory receptor 5B12, Olfactory receptor 5B16, Olfactory receptor OR11-241) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR5B12 antibody
OR5B12 Antibody (C-term) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the OR5B12 antibody detected the OR5B12 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR5B12. It may not necessarily be applicable to this product.

NCBI GI #	52317108
NCBI GeneID	390191
NCBI Accession #	NP_001004733.1
UniProt Primary Accession #	Q96R08
UniProt Secondary Accession #	Q6IEV5; B2RNL2
UniProt Related Accession #	Q96R08
GenBank Nucleotide #	NM_001004733.2
NCBI Official Full Name	olfactory receptor 5B12
NCBI Official Synonym Full Names	olfactory receptor, family 5, subfamily B, member 12
NCBI Official Symbol	OR5B12
NCBI Official Synonym Symbols	OR5B16; OST743; OR5B12P; OR11-241
UniProt Protein Name	Olfactory receptor 5B12
UniProt Synonym Protein Names	Olfactory receptor 5B16; Olfactory receptor OR11-241
Protein Family	Olfactory receptor
UniProt Gene Name	OR5B12
UniProt Synonym Gene Names	OR5B12P; OR5B16
UniProt Entry Name	OR5BC_HUMAN
NCBI Protein Information	olfactory receptor 5B12; olfactory receptor 5B16; olfactory receptor OR11-241; olfactory receptor, family 5, subfamily B, member 16; olfactory receptor, family 5, subfamily B, member 12 pseudogene

UniProt Comments for OR5B12	OR5B12: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 1 Chromosomal Location of Human Ortholog: 11q12.1 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: 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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/or5b12/6329211