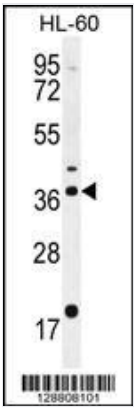
OR2W3 Antibody – Rabbit Polyclonal

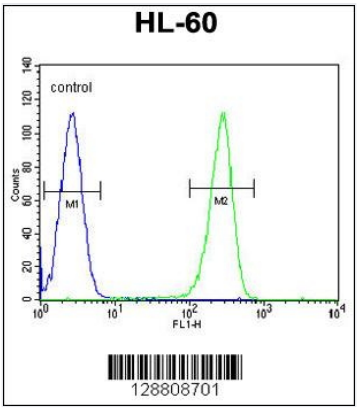
PRODUCT OVERVIEW

Product Name	OR2W3, Polyclonal Antibody
Full Product Name	OR2W3, CT (OR2W3, OR2W3P, OR2W8P, Olfactory receptor 2W3, Olfactory receptor 2W8, Olfactory receptor OR1-49) (Biotin)
Product Gene Name	anti-OR2W3 antibody
Product Synonym Names	OR2W3; OR2W3P; OR2W8P; Olfactory receptor 2W3; Olfactory receptor 2W8; Olfactory receptor OR1-49
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 Biotin.
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. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	34,789 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (248058889..248059833). Location: 1q44
3D Structure	ModBase 3D Structure for Q7Z3T1
Immunogen	OR2W3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-314 amino acids from the C-terminal region of human OR2W3.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-OR2W3 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR2W3 antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Western Blot (WB)
Application Notes for anti-OR2W3 antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-OR2W3 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-OR2W3 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-OR2W3 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 OR2W3 purchase	MBS6328582 is an antibody targeting OR2W3. Also known as OR2W3, CT (OR2W3, OR2W3P, OR2W8P, Olfactory receptor 2W3, Olfactory receptor 2W8, Olfactory receptor OR1-49) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR2W3 antibody
OR2W3 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the OR2W3 antibody detected the OR2W3 protein (arrow).



Flow Cytometry (FC/FACS) of anti-OR2W3 antibody
OR2W3 Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2W3. It may not necessarily be applicable to this product.

NCBI GI #	68533232
NCBI GeneID	343171
NCBI Accession #	NP_001001957.2
UniProt Primary Accession #	Q7Z3T1
UniProt Secondary Accession #	Q6IF06; Q8NG86
UniProt Related Accession #	Q7Z3T1
GenBank Nucleotide #	NM_001001957.2
NCBI Official Full Name	olfactory receptor 2W3
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily W, member 3
NCBI Official Symbol	OR2W3
NCBI Official Synonym Symbols	OR2W3P; OR2W8P; OST718
UniProt Protein Name	Olfactory receptor 2W3
UniProt Synonym Protein Names	Olfactory receptor 2W8; Olfactory receptor OR1-49
Protein Family	Olfactory receptor
UniProt Gene Name	OR2W3
UniProt Synonym Gene Names	OR2W3P; OR2W8P
UniProt Entry Name	OR2W3_HUMAN
NCBI Protein Information	olfactory receptor 2W3; olfactory receptor 2W8; olfactory receptor OR1-49; olfactory receptor, family 2, subfamily W, member 3 pseudogene; olfactory receptor, family 2, subfamily W, member 8 pseudogene

UniProt Comments for OR2W3	OR2W3: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; Membrane protein, integral; GPCR, family 1 Chromosomal Location of Human Ortholog: 1q44 Cellular Component: plasma membrane; integral to 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
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