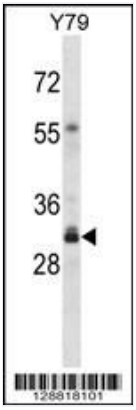
OR4F16 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR4F16, Polyclonal Antibody
Full Product Name	OR4F16, NT (OR4F3, Olfactory receptor 4F3/4F16/4F29, Olfactory receptor OR1-1) (PE)
Product Gene Name	anti-OR4F16 antibody
Product Synonym Gene Name	OR4F3
Product Synonym Names	OR4F3; Olfactory receptor 4F3/4F16/4F29; Olfactory receptor OR1-1
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 R-Phycoerythrin (PE).
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: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,074 Da
3D Structure	ModBase 3D Structure for Q6IEY1
Immunogen	OR4F16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-97 amino acids from the N-terminal region of human OR4F16.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-OR4F16 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR4F16 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR4F16 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR4F16 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-OR4F16 antibody	Nusbaum, C., et al. Nature 439(7074):331-335(2006). Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004).

Other Notes	Small volumes of anti-OR4F16 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 OR4F16 purchase	MBS6328744 is an antibody targeting OR4F16. Also known as OR4F16, NT (OR4F3, Olfactory receptor 4F3/4F16/4F29, Olfactory receptor OR1-1) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR4F16 antibody
OR4F16 Antibody (N-term) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the OR4F16 antibody detected the OR4F16 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4F16. It may not necessarily be applicable to this product.

NCBI GI #	119943152
NCBI GeneID	729759
NCBI Accession #	NP_001005221.2
NCBI Related Accession #	NP_001005224.1
UniProt Primary Accession #	Q6IEY1
UniProt Secondary Accession #	B2RPQ6
UniProt Related Accession #	Q6IEY1
GenBank Nucleotide #	NM_001005221.2
NCBI Official Full Name	olfactory receptor 4F3/4F16/4F29
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily F, member 29
NCBI Official Symbol	OR4F29
NCBI Official Synonym Symbols	OR7-21
UniProt Protein Name	Olfactory receptor 4F3/4F16/4F29
UniProt Synonym Protein Names	Olfactory receptor OR1-1
UniProt Gene Name	OR4F3
UniProt Entry Name	OR4F3_HUMAN
NCBI Protein Information	olfactory receptor 4F3/4F16/4F29

UniProt Comments for OR4F16	OR4F3/16/29: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 5q35.3 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; transmembrane receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception; detection of chemical stimulus involved in sensory perception of smell
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