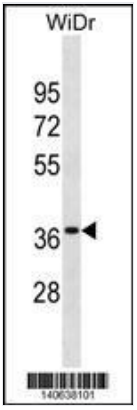
OR6K3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR6K3, Polyclonal Antibody
Full Product Name	OR6K3, NT (OR6K3, Olfactory receptor 6K3, Olfactory receptor OR1-18) (Biotin)
Product Gene Name	anti-OR6K3 antibody
Product Synonym Names	OR6K3; Olfactory receptor 6K3; Olfactory receptor OR1-18
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	37,352 Da
3D Structure	ModBase 3D Structure for Q8NGY3
Immunogen	OR6K3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-106 amino acids from the N-terminal region of human OR6K3.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-OR6K3 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR6K3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR6K3 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR6K3 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-OR6K3 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004).
Other Notes	Small volumes of anti-OR6K3 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 OR6K3 purchase	MBS6329341 is an antibody targeting OR6K3. Also known as OR6K3, NT (OR6K3, Olfactory receptor 6K3, Olfactory receptor OR1-18) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR6K3 antibody
OR6K3 Antibody (N-term) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the OR6K3 antibody detected the OR6K3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR6K3. It may not necessarily be applicable to this product.

NCBI GI #	282396071
NCBI GeneID	391114
NCBI Accession #	NP_001005327.2
UniProt Primary Accession #	Q8NGY3
UniProt Secondary Accession #	Q5VUV0; Q6IFR5
UniProt Related Accession #	Q8NGY3
GenBank Nucleotide #	NM_001005327.2
NCBI Official Full Name	olfactory receptor 6K3
NCBI Official Synonym Full Names	olfactory receptor, family 6, subfamily K, member 3
NCBI Official Symbol	OR6K3
NCBI Official Synonym Symbols	OR1-18
UniProt Protein Name	Olfactory receptor 6K3
UniProt Synonym Protein Names	Olfactory receptor OR1-18
Protein Family	Olfactory receptor
UniProt Gene Name	OR6K3
UniProt Entry Name	OR6K3_HUMAN
NCBI Protein Information	olfactory receptor 6K3; olfactory receptor OR1-18; seven transmembrane helix receptor

UniProt Comments for OR6K3	Olfr421: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; GPCR, family 1; Membrane protein, multi-pass; Receptor, GPCR Chromosomal Location of Human Ortholog: 1q23.1 Cellular Component: integral to membrane; plasma 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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