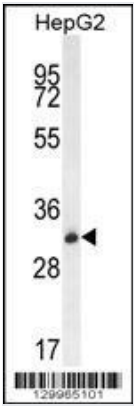
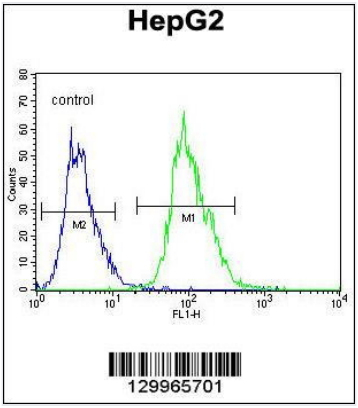
OR4K5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR4K5, Polyclonal Antibody
Full Product Name	OR4K5, CT (OR4K5, Olfactory receptor 4K5, Olfactory receptor OR14-16) (AP)
Product Gene Name	anti-OR4K5 antibody
Product Synonym Names	OR4K5; Olfactory receptor 4K5; Olfactory receptor OR14-16
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	36,258 Da
3D Structure	ModBase 3D Structure for Q8NGD3
Immunogen	OR4K5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-321 amino acids from the C-terminal region of human OR4K5.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-OR4K5 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR4K5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR4K5 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR4K5 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-OR4K5 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004).
Other Notes	Small volumes of anti-OR4K5 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 OR4K5 purchase	MBS6328811 is an antibody targeting OR4K5. Also known as OR4K5, CT (OR4K5, Olfactory receptor 4K5, Olfactory receptor OR14-16) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR4K5 antibody
OR4K5 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the OR4K5 antibody detected the OR4K5 protein (arrow).



Flow Cytometry (FC/FACS) of anti-OR4K5 antibody
OR4K5 Antibody (C-term) flow cytometric analysis of HepG2 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 OR4K5. It may not necessarily be applicable to this product.

NCBI GI #	53828692
NCBI GeneID	79317
NCBI Accession #	NP_001005483.1
UniProt Primary Accession #	Q8NGD3
UniProt Secondary Accession #	Q6IFA7
UniProt Related Accession #	Q8NGD3
GenBank Nucleotide #	NM_001005483.1
NCBI Official Full Name	olfactory receptor 4K5
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily K, member 5
NCBI Official Symbol	OR4K5
NCBI Official Synonym Symbols	OR14-16
UniProt Protein Name	Olfactory receptor 4K5
UniProt Synonym Protein Names	Olfactory receptor OR14-16
Protein Family	Olfactory receptor
UniProt Gene Name	OR4K5
UniProt Entry Name	OR4K5_HUMAN
NCBI Protein Information	olfactory receptor 4K5; olfactory receptor OR14-16
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