

Rabbit anti-Human OR4K5 Polyclonal Antibody | anti-OR4K5 antibody

OR4K5 Antibody (C-term)

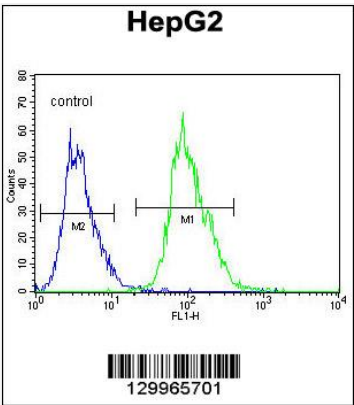
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284316	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

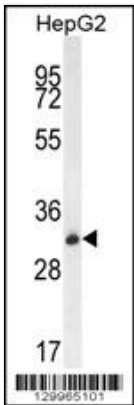
OR4K5; Polyclonal Antibody; OR4K5 Antibody (C-term); Olfactory receptor 4K5; Olfactory receptor OR14-16; anti-OR4K5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OR4K5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-313 amino acids from the C-terminal region of human OR4K5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	284-313
Sequence Length	323
Applicable Applications for anti-OR4K5 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
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.



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

ADDITIONAL INFORMATION

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 Categories/Family for anti-OR4K5 antibody	Neuroscience; Signal Transduction; GPCR Antibodies
References	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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	53828692
NCBI GeneID	79317
NCBI Accession #	NP_001005483.1
NCBI GenBank Nucleotide #	NM_001005483.1
UniProt Accession #	Q8NGD3; Q6IFA7
Molecular Weight	36258
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
NCBI Protein Information	olfactory receptor 4K5
UniProt Protein Name	Olfactory receptor 4K5

UniProt Gene Name	OR4K5
UniProt Entry Name	OR4K5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/or4k5-antibody-flow-cytometry-western-blot-elisa/284316>