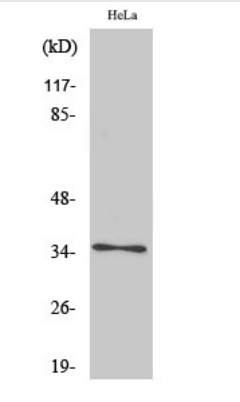
Olfactory Receptor 4k14 (OR4K14) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Olfactory receptor 4K14 (OR4K14), Polyclonal Antibody
Full Product Name	Olfactory receptor 4K14 Polyclonal Antibody
Product Gene Name	anti-OR4K14 antibody
Product Synonym Names	OR4K14; Olfactory receptor 4K14; Olfactory receptor OR14-22
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	Olfactory receptor 4K14 Polyclonal Antibody detects endogenous levels of Olfactory receptor 4K14 protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	35,053 Da
3D Structure	ModBase 3D Structure for Q8NGD5
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from the C-terminal region of human Olfactory receptor 4K14.
Target Name	Olfactory receptor 4K14
Product Categories/Family for anti-OR4K14 antibody	Total protein Ab
Applications Tested/Suitable for anti-OR4K14 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-OR4K14 antibody	Western Blot: 1:500 - 1:2000 Immunofluorescence: 1:200 - 1:1000 ELISA: 1:40000 Not yet tested in other applications.
Related Product Information for anti-OR4K14 antibody	MBS9407202 is an antibody targeting OR4K14. Also known as Olfactory receptor 4K14 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-OR4K14 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.



Western Blot (WB) of anti-OR4K14 antibody
Western Blot analysis of HuvEc cells using Olfactory receptor 4K14 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4K14. It may not necessarily be applicable to this product.

NCBI GI #	52317249
NCBI GeneID	122740
NCBI Accession #	NP_001004712.1
UniProt Primary Accession #	Q8NGD5
UniProt Secondary Accession #	Q6IEU1; Q96R71
UniProt Related Accession #	Q8NGD5
GenBank Nucleotide #	NM_001004712.1
NCBI Official Full Name	olfactory receptor 4K14
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily K, member 14
NCBI Official Symbol	OR4K14
NCBI Official Synonym Symbols	OR14-18; OR14-22
UniProt Protein Name	Olfactory receptor 4K14
UniProt Synonym Protein Names	Olfactory receptor OR14-22
Protein Family	Olfactory receptor
UniProt Gene Name	OR4K14
UniProt Entry Name	OR4KE_HUMAN
NCBI Protein Information	olfactory receptor 4K14
NCBI Summary for OR4K14	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. [provided by RefSeq, Jul 2008]

UniProt Comments for OR4K14	OR4K14: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; GPCR, family 1; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 14q11.2 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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