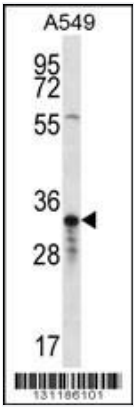
OR4F5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR4F5, Polyclonal Antibody
Full Product Name	OR4F5, NT (OR4F5, Olfactory receptor 4F5) (Azide free) (HRP)
Product Gene Name	anti-OR4F5 antibody
Product Synonym Names	OR4F5; Olfactory receptor 4F5
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 Horseradish Peroxidase (HRP).
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. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	34,330 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (69091..70008). Location: 1p36.33
3D Structure	ModBase 3D Structure for Q8NH21
Immunogen	OR4F5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-90 amino acids from the N-terminal region of human OR4F5.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-OR4F5 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR4F5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR4F5 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR4F5 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-OR4F5 antibody	Gregory, S.G., et al. Nature 441(7091):315-321(2006).

Other Notes	Small volumes of anti-OR4F5 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 OR4F5 purchase	MBS6328760 is an antibody targeting OR4F5. Also known as OR4F5, NT (OR4F5, Olfactory receptor 4F5) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR4F5 antibody
OR4F5 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the OR4F5 antibody detected the OR4F5 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4F5. It may not necessarily be applicable to this product.

NCBI GI #	53828740
NCBI GeneID	79501
NCBI Accession #	NP_001005484.1
UniProt Primary Accession #	Q8NH21
UniProt Secondary Accession #	Q5VT22
UniProt Related Accession #	Q8NH21
GenBank Nucleotide #	NM_001005484.1
NCBI Official Full Name	olfactory receptor 4F5
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily F, member 5
NCBI Official Symbol	OR4F5
UniProt Protein Name	Olfactory receptor 4F5
Protein Family	Olfactory receptor
UniProt Gene Name	OR4F5
UniProt Entry Name	OR4F5_HUMAN
NCBI Protein Information	olfactory receptor 4F5
UniProt Comments for OR4F5	Function: Odorant receptor Potential. Subcellular location: Cell membrane; Multi-pass membrane protein. Sequence similarities: Belongs to the G-protein coupled receptor 1 family.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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