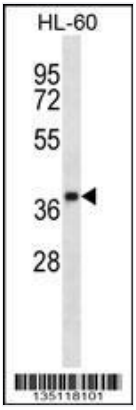
# OR5F1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | OR5F1, Polyclonal Antibody |
| **Full Product Name** | OR5F1, CT (OR5F1, Olfactory receptor 5F1, Olfactory receptor 11-10, Olfactory receptor OR11-167) (Biotin) |
| **Product Gene Name** | anti-OR5F1 antibody |
| **Product Synonym Names** | OR5F1; Olfactory receptor 5F1; Olfactory receptor 11-10; Olfactory receptor OR11-167 |
| **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** | 35,132 Da |
| **Chromosome Location** | Chromosome: 11; NC_000011.9 (55761157..55762101, complement). Location: 11q12.1 |
| **OMIM** | 608492 |
| **3D Structure** | ModBase 3D Structure for O95221 |
| **Immunogen** | OR5F1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 282-310 amino acids from the C-terminal region of human OR5F1. |
| **Conjugate** | Biotin |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-OR5F1 antibody** | Antibodies; Receptors; Olfactory |
| **Applications Tested/Suitable for anti-OR5F1 antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-OR5F1 antibody** | WB: 1:100-500<br>ELISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-OR5F1 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-OR5F1 antibody** | Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Fuchs, T., et al. Genomics 80(3):295-302(2002). Buettner, J.A., et al. Genomics 53(1):56-68(1998). |

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| **Other Notes** | Small volumes of anti-OR5F1 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 OR5F1 purchase** | MBS6329231 is an antibody targeting OR5F1. Also known as OR5F1, CT (OR5F1, Olfactory receptor 5F1, Olfactory receptor 11-10, Olfactory receptor OR11-167) (Biotin). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-OR5F1 antibody**
OR5F1 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the OR5F1 antibody detected the OR5F1 protein (arrow).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR5F1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 53828734 |
| **NCBI GeneID** | 338674 |
| **NCBI Accession #** | NP_003688.1 |
| **UniProt Primary Accession #** | O95221 |
| **UniProt Secondary Accession #** | Q495D1; Q6IFB9 |
| **UniProt Related Accession #** | O95221 |
| **GenBank Nucleotide #** | NM_003697.1 |
| **NCBI Official Full Name** | olfactory receptor 5F1 |
| **NCBI Official Synonym Full Names** | olfactory receptor, family 5, subfamily F, member 1 |
| **NCBI Official Symbol** | OR5F1 |
| **NCBI Official Synonym Symbols** | OR11-10 |
| **UniProt Protein Name** | Olfactory receptor 5F1 |
| **UniProt Synonym Protein Names** | Olfactory receptor 11-10; OR11-10; Olfactory receptor OR11-167 |
| **Protein Family** | Olfactory receptor |
| **UniProt Gene Name** | OR5F1 |
| **UniProt Synonym Gene Names** | OR11-10 |
| **UniProt Entry Name** | OR5F1_HUMAN |
| **NCBI Protein Information** | olfactory receptor 5F1; olfactory receptor 11-10; olfactory receptor OR11-167 |

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| **UniProt Comments for OR5F1** | OR5F1: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family.<br><br>Protein type: Membrane protein, integral; Membrane protein, multi-pass; GPCR, family 1; Receptor, GPCR<br><br>Chromosomal Location of Human Ortholog: 11q12.1<br><br>Cellular Component: integral to membrane; plasma membrane<br><br>Molecular Function: G-protein coupled receptor activity; olfactory receptor activity<br><br>Biological Process: G-protein coupled receptor protein signaling pathway; sensory perception of smell; detection of chemical stimulus involved in sensory perception of smell |
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