# OR56A1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | OR56A1, Polyclonal Antibody |
| **Full Product Name** | OR56A1 Antibody |
| **Product Gene Name** | anti-OR56A1 antibody |
| **Product Synonym Names** | OR56A1; Olfactory receptor 56A1; Olfactory receptor OR11-75 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide. |
| **Purity/Purification** | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 35,823 Da |
| **Chromosome Location** | Chromosome: 11; NC_000011.9 (6047901..6048971, complement). Location: 11p15.4 |
| **3D Structure** | ModBase 3D Structure for Q8NGH5 |
| **Immunogen** | Synthesized peptide derived from the C-terminal region of human Olfactory receptor 56A1. |
| **Immunogen Species** | Human |
| **Conjugate** | Non-conjugated |
| **Product Categories/Family for anti-OR56A1 antibody** | Neuroscience |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-OR56A1 antibody** | Immunofluorescence (IF), ELISA (EIA) |
| **Application Notes for anti-OR56A1 antibody** | IF: 1:200-1:1000<br>ELISA: 1:5000 |
| **Related Product Information for anti-OR56A1 antibody** | MBS7118947 is an antibody targeting OR56A1. Also known as OR56A1 Antibody. Reactive in Human. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-OR56A1 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. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR56A1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 284172508 |
| **NCBI GeneID** | 120796 |

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| **NCBI Accession #** | NP_001001917.2 |
| **UniProt Primary Accession #** | Q8NGH5 |
| **UniProt Secondary Accession #** | Q6IFL0; B2RNI2 |
| **UniProt Related Accession #** | Q8NGH5 |
| **GenBank Nucleotide #** | NM_001001917.2 |
| **NCBI Official Full Name** | olfactory receptor 56A1 |
| **NCBI Official Synonym Full Names** | olfactory receptor, family 56, subfamily A, member 1 |
| **NCBI Official Symbol** | OR56A1 |
| **NCBI Official Synonym Symbols** | OR11-75 |
| **UniProt Protein Name** | Olfactory receptor 56A1 |
| **UniProt Synonym Protein Names** | Olfactory receptor OR11-75 |
| **Protein Family** | Olfactory receptor |
| **UniProt Gene Name** | OR56A1 |
| **UniProt Entry Name** | O56A1_HUMAN |
| **NCBI Protein Information** | olfactory receptor 56A1; olfactory receptor OR11-75 |
| **NCBI Summary for OR56A1** | 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 OR56A1** | OR56A1: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family.<br><br>Protein type: GPCR, family 1; Membrane protein, multi-pass; Receptor, GPCR; Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 11p15.4<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; detection of chemical stimulus involved in sensory perception of smell |
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