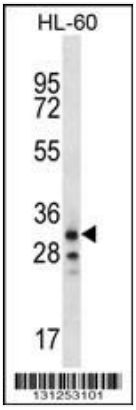
# OR6K2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | OR6K2, Polyclonal Antibody |
| **Full Product Name** | OR6K2, CT (OR6K2, Olfactory receptor 6K2, Olfactory receptor OR1-17) (APC) |
| **Product Gene Name** | anti-OR6K2 antibody |
| **Product Synonym Names** | OR6K2; Olfactory receptor 6K2; Olfactory receptor OR1-17 |
| **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 Allophycocyanin (APC). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 36,513 Da |
| **Chromosome Location** | Chromosome: 1; NC_000001.10 (158669468..158670442, complement). Location: 1q23.1 |
| **3D Structure** | ModBase 3D Structure for Q8NGY2 |
| **Immunogen** | OR6K2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-304 amino acids from the C-terminal region of human OR6K2. |
| **Conjugate** | APC |
| **Note** | Preservative Free |
| **Special Handling** | Light sensitive |
| **Product Categories/Family for anti-OR6K2 antibody** | Antibodies; Receptors; Olfactory |
| **Applications Tested/Suitable for anti-OR6K2 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-OR6K2 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-OR6K2 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-OR6K2 antibody** | Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). |

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| **Other Notes** | Small volumes of anti-OR6K2 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 OR6K2 purchase** | MBS6329329 is an antibody targeting OR6K2. Also known as OR6K2, CT (OR6K2, Olfactory receptor 6K2, Olfactory receptor OR1-17) (APC). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-OR6K2 antibody**
OR6K2 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the OR6K2 antibody detected the OR6K2 protein (arrow).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR6K2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 52627155 |
| **NCBI GeneID** | 81448 |
| **NCBI Accession #** | NP_001005279.1 |
| **UniProt Primary Accession #** | Q8NGY2 |
| **UniProt Secondary Accession #** | Q6IFR6; B9EH33 |
| **UniProt Related Accession #** | Q8NGY2 |
| **GenBank Nucleotide #** | NM_001005279.1 |
| **NCBI Official Full Name** | olfactory receptor 6K2 |
| **NCBI Official Synonym Full Names** | olfactory receptor, family 6, subfamily K, member 2 |
| **NCBI Official Symbol** | OR6K2 |
| **NCBI Official Synonym Symbols** | OR1-17 |
| **UniProt Protein Name** | Olfactory receptor 6K2 |
| **UniProt Synonym Protein Names** | Olfactory receptor OR1-17 |
| **Protein Family** | Olfactory receptor |
| **UniProt Gene Name** | OR6K2 |
| **UniProt Entry Name** | OR6K2_HUMAN |
| **NCBI Protein Information** | olfactory receptor 6K2; olfactory receptor OR1-17 |

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| **UniProt Comments for OR6K2** | OR6K2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family.<br><br>Protein type: Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 1<br><br>Chromosomal Location of Human Ortholog: 1q23.1<br><br>Cellular Component: integral to membrane; plasma membrane<br><br>Molecular Function: G-protein coupled receptor activity; transmembrane receptor activity; olfactory receptor activity<br><br>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 |
| **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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