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# OR1N2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17637a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q8NGR9 |
| **Other Accession** | NP_001004457.1 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB37953 |
| **Calculated MW** | 35184 |
| **Antigen Region** | 1-30 |

## Additional Information

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|---|---|
| **Gene ID** | 138882 |
| **Other Names** | Olfactory receptor 1N2, Olfactory receptor OR9-23, OR1N2 |
| **Target/Specificity** | This OR1N2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human OR1N2. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | OR1N2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | OR1N2 |
| **Function** | Odorant receptor. |
| **Cellular Location** | Membrane; Multi-pass membrane protein |

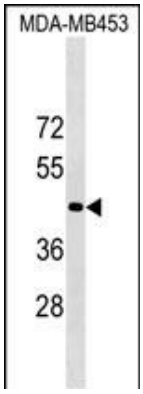
## Background

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.

## References

Letra, A., et al. Am. J. Med. Genet. A 152A (7), 1701-1710 (2010) :
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)

## Images




OR1N2 Antibody (N-term) (Cat. #AP17637a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the OR1N2 antibody detected the OR1N2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.