10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# OR5L2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11066a

## Product Information

| | |
|---|---|
| **Application** | IHC-P, WB, E |
| **Primary Accession** | Q8NGL0 |
| **Other Accession** | Q8NGL2, NP_001004739.1 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB28836 |
| **Calculated MW** | 34682 |
| **Antigen Region** | 62-90 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 26338 |
| **Other Names** | Olfactory receptor 5L2, HTPCRX16, Olfactory receptor OR11-153, OR5L2 |
| **Target/Specificity** | This OR5L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-90 amino acids from the N-terminal region of human OR5L2. |
| **Dilution** | IHC-P~~1:100~500 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** | OR5L2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

| | |
|---|---|
| **Name** | OR5L2 |
| **Function** | Odorant receptor. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. |

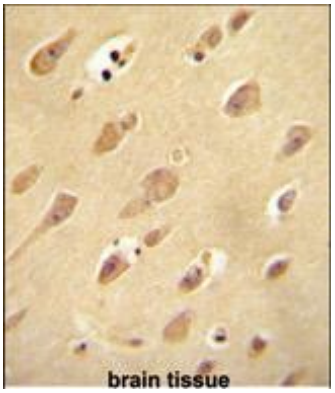
## Background

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.

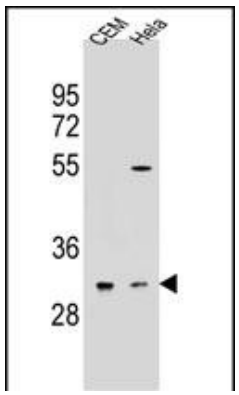
## References

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)
Parmentier, M., et al. Nature 355(6359):453-455(1992)

## Images




OR5L2 antibody (N-term) (Cat. #AP11066a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the OR5L2 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.




OR5L2 Antibody (N-term) (Cat. #AP11066a) western blot analysis in CEM,Hela cell line lysates (35ug/lane).This demonstrates the OR5L2 antibody detected the OR5L2 protein (arrow).

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