

Product datasheet for **AP53045PU-N**

OR2Z1 (N-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | FC, IHC, WB |
| Recommended Dilution: | ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of Human Olfactory receptor 2Z1 |
| Specificity: | This antibody recognizes Human Olfactory receptor 2Z1 (N-term). |
| Formulation: | PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein A column, followed by peptide affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | olfactory receptor family 2 subfamily Z member 1 |
| Database Link: | Entrez Gene 284383 Human Q8NG97 |



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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.

Synonyms:

OR2Z1, OR2Z2, Olfactory receptor OR19-4

Note:

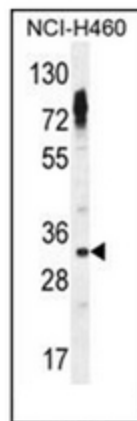
Molecular Weight: 34444 Da

Protein Families:

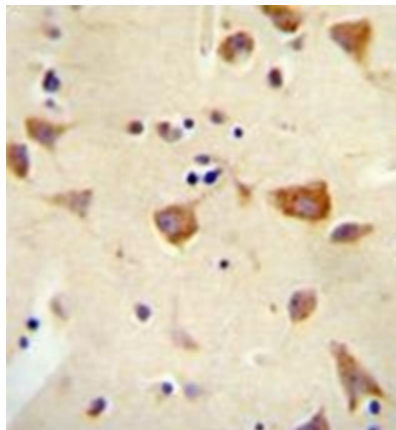
Transmembrane

Protein Pathways:

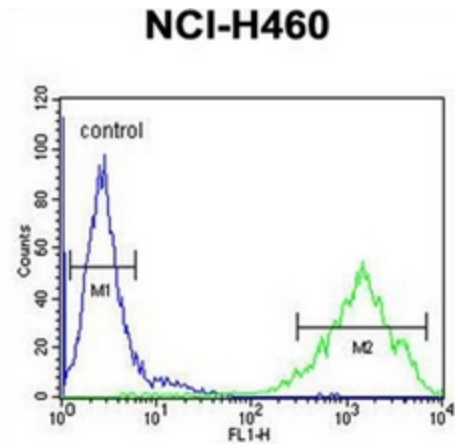
Olfactory transduction

Product images:

Western blot analysis of OR2Z1 Antibody (N-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the OR2Z1 antibody detected the OR2Z1 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with OR2Z1 Antibody (N-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the OR2Z1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow cytometric analysis of NCI-H460 cells using OR2Z1 Antibody (N-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.