

Product datasheet for **AP53060PU-N**

OR4K2 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 283-312 amino acids from the C-terminal region of human Olfactory receptor 4K2
Specificity:	This antibody recognizes Human Olfactory receptor 4K2 (C-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:	Homo sapiens olfactory receptor family 4 subfamily K member 2 (OR4K2)
Database Link:	Entrez Gene 390431 Human Q8NGD2



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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:

OR4K2, Olfactory receptor OR14-15

Note:

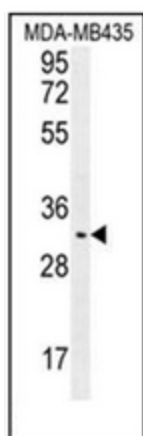
Molecular Weight: 35357 Da

Protein Families:

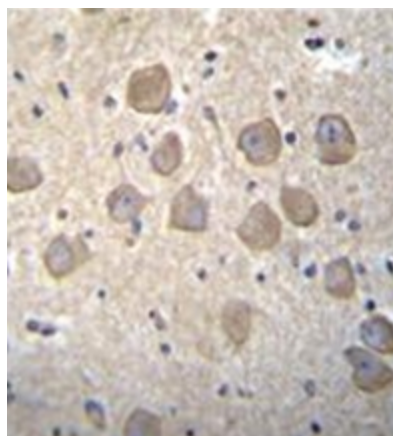
Transmembrane

Protein Pathways:

Olfactory transduction

Product images:


Western blot analysis of OR4K2 Antibody (C-term) in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the OR4K2 antibody detected the OR4K2 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed reacted with OR4K2 Antibody (C-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of OR4K2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.