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OR2K2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18490a

Product Information

Application	WB, E
Primary Accession	Q8NGT1
Other Accession	NP_995581.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37955
Calculated MW	35045
Antigen Region	2-29

Additional Information

Gene ID	26248
Other Names	Olfactory receptor 2K2, HTPCRH06, Olfactory receptor OR9-17, OR2K2, OR2AR1P
Target/Specificity	This OR2K2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human OR2K2.
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	OR2K2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR2K2
Synonyms	OR2AR1P
Function	Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

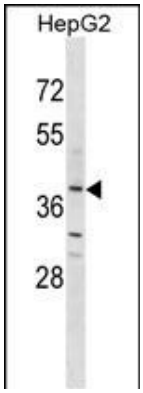
Background

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

Aloni, R., et al. Genome Biol. 7 (10), R88 (2006) :
Humphray, S.J., et al. Nature 429(6990):369-374(2004)
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Parmentier, M., et al. Nature 355(6359):453-455(1992)

Images



OR2K2 Antibody (N-term) (Cat. #AP18490a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the OR2K2 antibody detected the OR2K2 protein (arrow).

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