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OR4K5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11998b

Product Information

Application	WB, FC, E
Primary Accession	Q8NGD3
Other Accession	NP_001005483.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29965
Calculated MW	36258
Antigen Region	284-313

Additional Information

Gene ID	79317
Other Names	Olfactory receptor 4K5, Olfactory receptor OR14-16, OR4K5
Target/Specificity	This OR4K5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-313 amino acids from the C-terminal region of human OR4K5.
Dilution	WB~~1:1000 FC~~1:10~50 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	OR4K5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR4K5
Function	Odorant receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein.

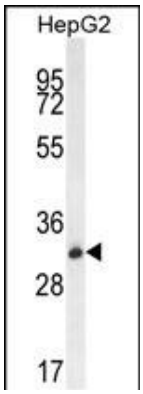
Background

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.

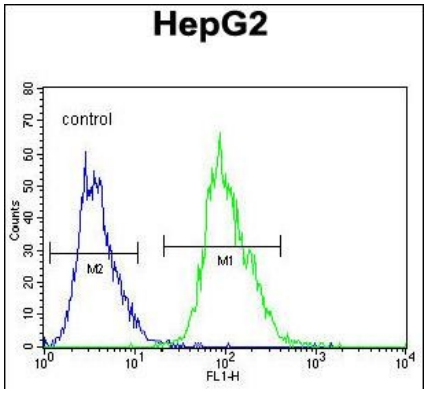
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)

Images



OR4K5 Antibody (C-term) (Cat. #AP11998b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the OR4K5 antibody detected the OR4K5 protein (arrow).



OR4K5 Antibody (C-term) (Cat. #AP11998b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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