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OR4Q3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14890b

Product Information

Application	WB, E
Primary Accession	Q8NH05
Other Accession	NP_751944.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35205
Calculated MW	35491
Antigen Region	278-306

Additional Information

Gene ID	441669
Other Names	Olfactory receptor 4Q3, Olfactory receptor 4Q4, Olfactory receptor OR14-3, OR4Q3, C14orf13, OR4Q4
Target/Specificity	This OR4Q3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 278-306 amino acids from the C-terminal region of human OR4Q3.
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	OR4Q3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR4Q3
Synonyms	C14orf13, OR4Q4
Function	Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

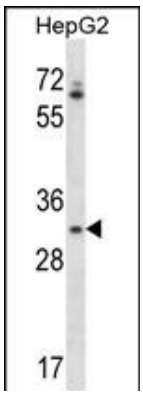
Background

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)
Rouquier, S., et al. Proc. Natl. Acad. Sci. U.S.A. 97(6):2870-2874(2000)

Images



OR4Q3 Antibody (C-term) (Cat. #AP14890b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the OR4Q3 antibody detected the OR4Q3 protein (arrow).

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