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OR3A3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18920b

Product Information

Application	WB, E
Primary Accession	P47888
Other Accession	P47883, NP_036505.2
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30514
Calculated MW	34963
Antigen Region	255-281

Additional Information

Gene ID	8392
Other Names	Olfactory receptor 3A3, Olfactory receptor 17-201, OR17-201, Olfactory receptor 3A6, Olfactory receptor 3A7, Olfactory receptor 3A8, Olfactory receptor OR17-22, OR3A3, OR3A6, OR3A7, OR3A8P
Target/Specificity	This OR3A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255-281 amino acids from the C-terminal region of human OR3A3.
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	OR3A3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR3A3
Synonyms	OR3A6, OR3A7, OR3A8P

Function Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

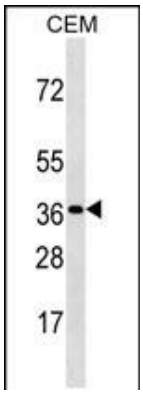
Background

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

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Zody, M.C., et al. Nature 440(7087):1045-1049(2006)
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Gilad, Y., et al. Mol. Biol. Evol. 20(3):307-314(2003)
Fuchs, T., et al. Genomics 80(3):295-302(2002)

Images



OR3A3 Antibody (C-term) (Cat. #AP18920b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the OR3A3 antibody detected the OR3A3 protein (arrow).

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