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OR2A5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18505b

Product Information

Application	WB, E
Primary Accession	Q96R48
Other Accession	Q8NGT9, Q96R47, NP_036497.1
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38318
Calculated MW	35207
Antigen Region	246-272

Additional Information

Gene ID	393046
Other Names	Olfactory receptor 2A5, Olfactory receptor 2A26, Olfactory receptor 2A8, Olfactory receptor 7-138/7-141, OR7-138, OR7-141, OR2A5, OR2A26, OR2A8
Target/Specificity	This OR2A5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-272 amino acids from the C-terminal region of human OR2A5.
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	OR2A5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR2A5
Synonyms	OR2A26, OR2A8

Function Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

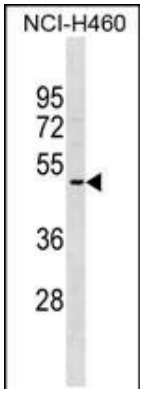
Background

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

Fuchs, T., et al. Genomics 80(3):295-302(2002)
Rouquier, S., et al. Nat. Genet. 18(3):243-250(1998)

Images



OR2A5 Antibody (C-term) (Cat. #AP18505b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the OR2A5 antibody detected the OR2A5 protein (arrow).

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