10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OR5AC2 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19866b

Product Information

Application	WB, E
Primary Accession	Q9NZP5
Other Accession	NP_473447.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41594
Calculated MW	35304
Antigen Region	246-274

Additional Information

Gene ID	81050
Other Names	Olfactory receptor 5AC2, HSA1, OR5AC2
Target/Specificity	This OR5AC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-274 amino acids from the C-terminal region of human OR5AC2.
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	OR5AC2 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR5AC2
Function	Odorant receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein.

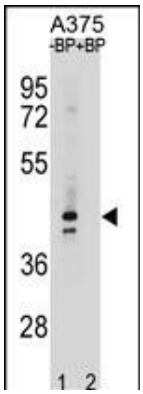
Background

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

Muzny, D.M., et al. Nature 440(7088):1194-1198(2006)
Rouquier, S., et al. Proc. Natl. Acad. Sci. U.S.A. 97(6):2870-2874(2000)

Images



OR5AC2 Antibody (C-term) (Cat. #AP19866b) pre-incubated without(lane 1) and with(lane 2) blocking peptide in A375 cell line lysate. OR5AC2 Antibody (C-term) (arrow) was detected using the purified Pab.

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