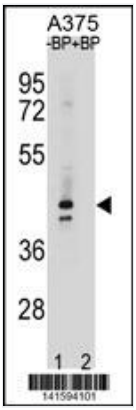
OR5AC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR5AC2, Polyclonal Antibody
Full Product Name	OR5AC2 Antibody (C-term)
Product Gene Name	anti-OR5AC2 antibody
Product Synonym Names	Olfactory receptor 5AC2; HSA1; OR5AC2
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.42 (lot specific)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	OR5AC2 peptide (MBS9228680) is used for blocking the activity of OR5AC2 antibody (MBS9209464)
Molecular Weight	35304
Immunogen Sequence Positions	246-274
3D Structure	ModBase 3D Structure for Q9NZP5
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-OR5AC2 antibody	GPCR Antibodies
Applications Tested/Suitable for anti-OR5AC2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR5AC2 antibody	WB~~1:1000
Related Product Information for anti-OR5AC2 antibody	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.

Product References and Citations for anti-OR5AC2 antibody	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)
Other Notes	Small volumes of anti-OR5AC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OR5AC2 purchase	MBS9209464 is an antibody targeting OR5AC2. Also known as OR5AC2 Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR5AC2 antibody
OR5AC2 Antibody (C-term) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR5AC2. It may not necessarily be applicable to this product.

NCBI GI #	52546683
NCBI GeneID	81050
NCBI Accession #	NP_473447.1
UniProt Primary Accession #	Q9NZP5
UniProt Related Accession #	Q9NZP5
GenBank Nucleotide #	NM_054106.1
NCBI Official Full Name	olfactory receptor 5AC2
NCBI Official Synonym Full Names	olfactory receptor, family 5, subfamily AC, member 2
NCBI Official Symbol	OR5AC2
NCBI Official Synonym Symbols	HSA1
UniProt Protein Name	Olfactory receptor 5AC2
UniProt Synonym Protein Names	HSA1
Protein Family	Olfactory receptor
UniProt Gene Name	OR5AC2
UniProt Entry Name	O5AC2_HUMAN
NCBI Protein Information	olfactory receptor 5AC2

NCBI Summary for OR5AC2	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. [provided by RefSeq, Jul 2008]
UniProt Comments for OR5AC2	OR5AC2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 3q12.1 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; sensory perception of smell; detection of chemical stimulus involved in sensory perception of smell
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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