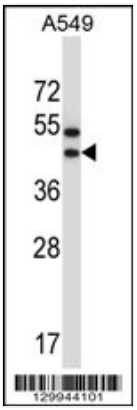
OR56A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR56A1, Polyclonal Antibody
Full Product Name	OR56A1 Antibody (C-term)
Product Gene Name	anti-OR56A1 antibody
Product Synonym Names	Olfactory receptor 56A1; Olfactory receptor OR11-75; OR56A1
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: 0.5 (lot specific)
Specificity	This OR56A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 289-318 amino acids from the C-terminal region of human OR56A1.
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	OR56A1 peptide (MBS9220542) is used for blocking the activity of OR56A1 antibody (MBS9207901)
Molecular Weight	35823
Immunogen Sequence Positions	289-318
3D Structure	ModBase 3D Structure for Q8NGH5
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-OR56A1 antibody	Neuroscience; Signal Transduction; GPCR Antibodies
Applications Tested/Suitable for anti-OR56A1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OR56A1 antibody	WB~~1:1000
Related Product Information for anti-OR56A1 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-OR56A1 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Other Notes	Small volumes of anti-OR56A1 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 OR56A1 purchase	MBS9207901 is an antibody targeting OR56A1. Also known as OR56A1 Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR56A1 antibody
OR56A1 Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the OR56A1 antibody detected the OR56A1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR56A1. It may not necessarily be applicable to this product.

NCBI GI #	284172508
NCBI GeneID	120796
NCBI Accession #	NP_001001917.2
UniProt Primary Accession #	Q8NGH5
UniProt Secondary Accession #	Q6IFL0; B2RNI2
UniProt Related Accession #	Q8NGH5
GenBank Nucleotide #	NM_001001917.2
NCBI Official Full Name	olfactory receptor 56A1
NCBI Official Synonym Full Names	olfactory receptor, family 56, subfamily A, member 1
NCBI Official Symbol	OR56A1
NCBI Official Synonym Symbols	OR11-75
UniProt Protein Name	Olfactory receptor 56A1
UniProt Synonym Protein Names	Olfactory receptor OR11-75
Protein Family	Olfactory receptor
UniProt Gene Name	OR56A1
UniProt Entry Name	O56A1_HUMAN
NCBI Protein Information	olfactory receptor 56A1

NCBI Summary for OR56A1	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 OR56A1	OR56A1: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, integral; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 11p15.4 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception of smell
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