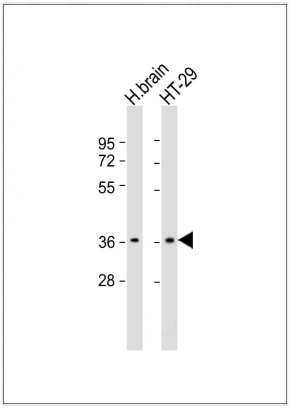
OR2T7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR2T7, Polyclonal Antibody
Full Product Name	OR2T7 Antibody (C-term)
Product Gene Name	anti-OR2T7 antibody
Product Synonym Names	Purified Rabbit Polyclonal Antibody (Pab); Olfactory receptor 2T7; OST723; olfactory receptor OR1-44; OR2T7; OR2T7P
Clonality	Polyclonal
Isotype	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.
Specificity	This OR2T7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 264-299 amino acids from the C-terminal region of human OR2T7.
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	OR2T7 peptide (MBS9230297) is used for blocking the activity of OR2T7 antibody (MBS9215864)
Molecular Weight	34287
3D Structure	ModBase 3D Structure for P0C7T2
Antigen Source	Human
Applications Tested/Suitable for anti-OR2T7 antibody	Western Blot (WB)
Application Notes for anti-OR2T7 antibody	WB ~~ 1:2000
Related Product Information for anti-OR2T7 antibody	MBS9215864 is an antibody targeting OR2T7. Also known as OR2T7 Antibody (C-term). Reactive in Human. Host: Rabbit. Odorant receptor.
Product References and Citations for anti-OR2T7 antibody	Gregory S.G.,et al.Nature 441:315-321(2006). Fuchs T.,et al.Genomics 80:295-302(2002). Malnic B.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:2584-2589(2004). Malnic B.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:7205-7205(2004).
Other Notes	Small volumes of anti-OR2T7 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.



Western Blot (WB) of anti-OR2T7 antibody
All lanes : Anti-OR2T7 Antibody (C-term) at 1:2000 dilutionLane 1: human brain lysateLane 2: HT-29 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 34 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2T7. It may not necessarily be applicable to this product.

NCBI GI #	206557832
NCBI GeneID	81458
NCBI Accession #	P0C7T2.1
UniProt Primary Accession #	P0C7T2
UniProt Related Accession #	P0C7T2
NCBI Official Full Name	Olfactory receptor 2T7
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily T, member 7
NCBI Official Symbol	OR2T7
NCBI Official Synonym Symbols	OR2T7P; OST723
UniProt Protein Name	Olfactory receptor 2T7
UniProt Synonym Protein Names	OST723; olfactory receptor OR1-44
Protein Family	Olfactory receptor
UniProt Gene Name	OR2T7
UniProt Synonym Gene Names	OR2T7P
UniProt Entry Name	OR2T7_HUMAN
NCBI Summary for OR2T7	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 OR2T7	OR2T7: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q44 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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