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OR5B12 Antibody (C-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2125b

Product Information

Application	WB, E
Primary Accession	Q96R08
Other Accession	NP_001004733.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	Ig2b
Clone Names	609CT8.2.4
Calculated MW	35182
Antigen Region	278-307

Additional Information

Gene ID	390191
Other Names	Olfactory receptor 5B12, Olfactory receptor 5B16, Olfactory receptor OR11-241, OR5B12, OR5B12P, OR5B16
Target/Specificity	This OR5B12 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 278-307 amino acids from the C-terminal region of human OR5B12.
Dilution	WB~~1:500~1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
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	OR5B12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR5B12
Synonyms	OR5B12P, OR5B16

Function Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

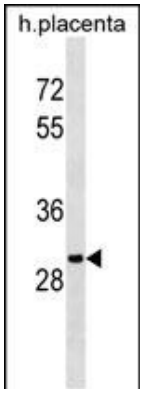
Background

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

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Fuchs, T., et al. Genomics 80(3):295-302(2002)

Images



OR5B12 Antibody (C-term)(Cat. #AM2125b) western blot analysis in human placenta tissue lysates (35µg/lane).This demonstrates the OR5B12 antibody detected the OR5B12 protein (arrow).

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