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OR6V1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11068b

Product Information

Application	WB, FC, E
Primary Accession	Q8N148
Other Accession	NP_001001667.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28878
Calculated MW	34902
Antigen Region	242-270

Additional Information

Gene ID	346517
Other Names	Olfactory receptor 6V1, Olfactory receptor OR7-3, OR6V1
Target/Specificity	This OR6V1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-270 amino acids from the C-terminal region of human OR6V1.
Dilution	WB~~1:1000 FC~~1:10~50 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	OR6V1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR6V1
Function	Odorant receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein.

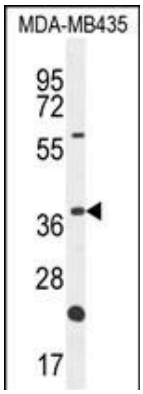
Background

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.

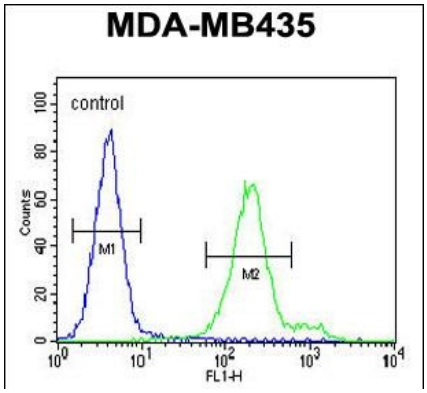
References

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Vanti, W.B., et al. Biochem. Biophys. Res. Commun. 305(1):67-71(2003)

Images



OR6V1 Antibody (C-term) (Cat. #AP11068b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the OR6V1 antibody detected the OR6V1 protein (arrow).



OR6V1 Antibody (C-term) (Cat. #AP11068b) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.