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OR4F15 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11344a

Product Information

Application	WB, FC, E
Primary Accession	Q8NGB8
Other Accession	NP_001001674.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28915
Calculated MW	35369
Antigen Region	69-96

Additional Information

Gene ID	390649
Other Names	Olfactory receptor 4F15, Olfactory receptor OR15-14, OR4F15
Target/Specificity	This OR4F15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-96 amino acids from the N-terminal region of human OR4F15.
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	OR4F15 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR4F15
Function	Odorant receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein.

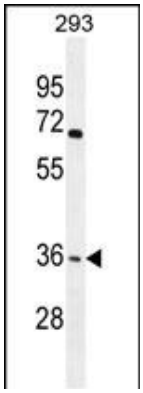
Background

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.

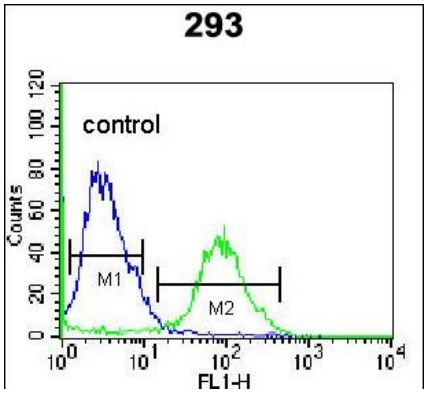
References

Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Gilad, Y., et al. Am. J. Hum. Genet. 73(3):489-501(2003)
Fuchs, T., et al. Genomics 80(3):295-302(2002)

Images



OR4F15 Antibody (N-term) (Cat. #AP11344a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the OR4F15 antibody detected the OR4F15 protein (arrow).



OR4F15 Antibody (N-term) (Cat. #AP11344a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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