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OR8B8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10862b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q15620
Other Accession	NP_036510.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28248
Calculated MW	34482
Antigen Region	280-308

Additional Information

Gene ID	26493
Other Names	Olfactory receptor 8B8, Olfactory receptor TPCR85, Olfactory-like receptor JCG8, OR8B8
Target/Specificity	This OR8B8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 280-308 amino acids from the C-terminal region of human OR8B8.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	OR8B8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR8B8 (HGNC:8477)
Function	Odorant receptor (Potential). May be involved in taste perception.
Cellular Location	Cell membrane; Multi-pass membrane protein

Tissue Location	Expressed in the tongue and testis.

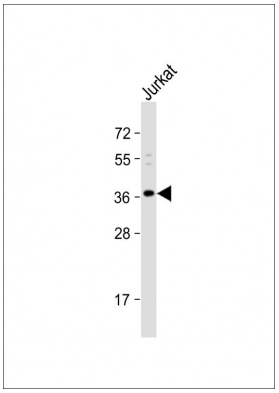
Background

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.

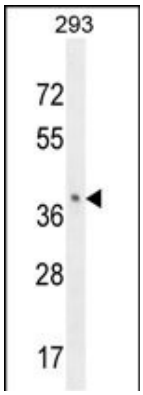
References

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)
Gaudin, J.C., et al. Chem. Senses 26(9):1157-1166(2001)
Vanderhaeghen, P., et al. Genomics 39(3):239-246(1997)

Images

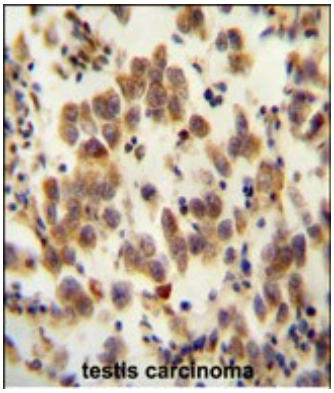


Anti-OR8B8 Antibody (C-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



OR8B8 Antibody (C-term) (Cat. #AP10862b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the OR8B8 antibody detected the OR8B8 protein (arrow).

OR8B8 antibody (C-term) (Cat. #AP10862b) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the OR8B8 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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