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OR10A4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10863b

Product Information

Application	WB, E
Primary Accession	Q9H209
Other Accession	NP_997069.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28251
Calculated MW	35117
Antigen Region	245-273

Additional Information

Gene ID	283297
Other Names	Olfactory receptor 10A4, HP2, Olfactory receptor-like protein JCG5, OR10A4, OR10A4P
Target/Specificity	This OR10A4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 245-273 amino acids from the C-terminal region of human OR10A4.
Dilution	WB~~1:1000 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	OR10A4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR10A4
Synonyms	OR10A4P
Function	Odorant receptor (Potential). May be involved in taste perception.

Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in the tongue.

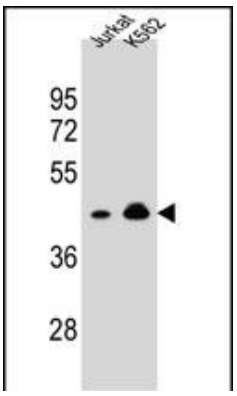
Background

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)
Lane, R.P., et al. Proc. Natl. Acad. Sci. U.S.A. 98(13):7390-7395(2001)

Images



OR10A4 Antibody (C-term) (Cat. #AP10863b) western blot analysis in Jurkat,K562 cell line lysates (35ug/lane).This demonstrates the OR10A4 antibody detected the OR10A4 protein (arrow).

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