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OR1F1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18162b

Product Information

Application	WB, E
Primary Accession	O43749
Other Accession	NP_036492.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25562
Calculated MW	34866
Antigen Region	275-303

Additional Information

Gene ID	4992
Other Names	Olfactory receptor 1F1, Olfactory receptor 16-35, OR16-35, Olfactory receptor 1F10, Olfactory receptor 1F4, Olfactory receptor 1F5, Olfactory receptor 1F6, Olfactory receptor 1F7, Olfactory receptor 1F8, Olfactory receptor 1F9, Olfactory receptor OR16-4, OR1F1
Target/Specificity	This OR1F1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-303 amino acids from the C-terminal region of human OR1F1.
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	OR1F1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR1F1
Function	Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

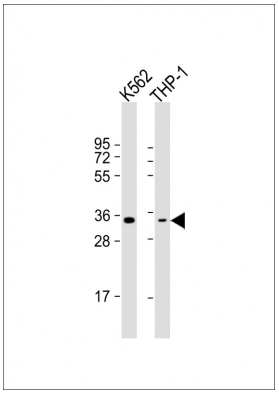
Background

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)
Bernot, A., et al. Genomics 50(2):147-160(1998)
Rouquier, S., et al. Nat. Genet. 18(3):243-250(1998)
Nat. Genet. 17(1):25-31(1997)

Images



All lanes : Anti-OR1F1 Antibody (C-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: THP-1 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 : 35 kDa Blocking/Dilution buffer: 5% NFDM/TBST.