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OR51G1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18334b

Product Information

Application	WB, E
Primary Accession	Q8NGK1
Other Accession	NP_001005237.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30236
Calculated MW	36290
Antigen Region	287-316

Additional Information

Gene ID	79324
Other Names	Olfactory receptor 51G1, Olfactory receptor 51G3, Olfactory receptor OR11-29, OR51G1, OR51G3P
Target/Specificity	This OR51G1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-316 amino acids from the C-terminal region of human OR51G1.
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	OR51G1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR51G1
Synonyms	OR51G3P
Function	Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

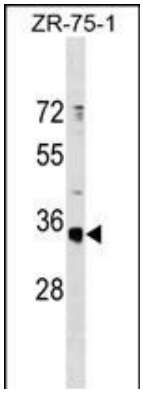
Background

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

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)

Images



OR51G1 Antibody (C-term) (Cat. #AP18334b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the OR51G1 Antibody detected the OR51G1 protein (arrow).

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