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OR1Q1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19192b

Product Information

Application	WB, E
Primary Accession	Q15612
Other Accession	NP_036496.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39852
Calculated MW	35598
Antigen Region	246-272

Additional Information

Gene ID	158131
Other Names	Olfactory receptor 1Q1, OST226, Olfactory receptor 1Q2, Olfactory receptor 1Q3, Olfactory receptor 9-A, OR9-A, Olfactory receptor OR9-25, Olfactory receptor TPCR106, OR1Q1, OR1Q2, OR1Q3
Target/Specificity	This OR1Q1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-272 amino acids from the C-terminal region of human OR1Q1.
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	OR1Q1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR1Q1
Synonyms	OR1Q2, OR1Q3

Function Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

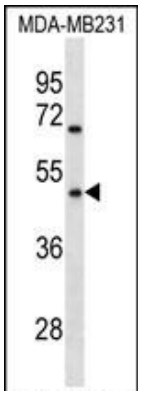
Background

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)
Vanderhaeghen, P., et al. Genomics 39(3):239-246(1997)

Images



OR1Q1 Antibody (C-term) (Cat. #AP19192b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the OR1Q1 antibody detected the OR1Q1 protein (arrow).

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