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OR2C3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17841b

Product Information

Application	WB, E
Primary Accession	Q8N628
Other Accession	NP_932340.3
Reactivity	Human
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37954
Calculated MW	35376
Antigen Region	246-273

Additional Information

Gene ID	81472
Other Names	Olfactory receptor 2C3, Olfactory receptor 2C4, Olfactory receptor 2C5, Olfactory receptor OR1-30, OR2C3, OR2C4, OR2C5P
Target/Specificity	This OR2C3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-273 amino acids from the C-terminal region of human OR2C3.
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	OR2C3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR2C3
Synonyms	OR2C4, OR2C5P

Function Odorant receptor.

Cellular Location Cell membrane; Multi-pass membrane protein.

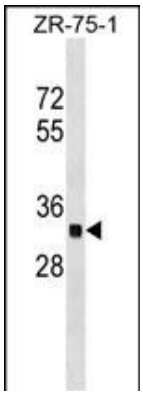
Background

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

Trevino, L.R., et al. Nat. Genet. 41(9):1001-1005(2009)
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)

Images



OR2C3 Antibody (C-term) (Cat. #AP17841b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the OR2C3 antibody detected the OR2C3 protein (arrow).

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