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OR2W5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14649b

Product Information

Application	WB, E
Primary Accession	A6NFC9
Other Accession	NP_001004698.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30158
Calculated MW	35528
Antigen Region	283-311

Additional Information

Other Names	Putative olfactory receptor 2W5, OR2W5, OR2W5P
Target/Specificity	This OR2W5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-311 amino acids from the C-terminal region of human OR2W5.
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	OR2W5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OR2W5P (HGNC:15424)
Synonyms	OR2W5
Function	Odorant receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein.

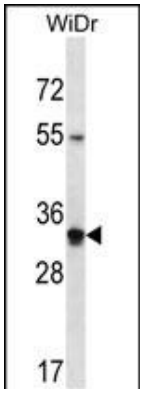
Background

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. This olfactory receptor gene has a coding sequence that is comparable in length to other olfactory receptor genes, but it should be noted that a frameshift is present in the 3' coding region that disrupts the 7-transmembrane domain structure in the protein. It is unclear if the protein can function as an olfactory receptor or if an alternate function is served. For this reason, this gene has also been interpreted to be a pseudogene.

References

Fuchs, T., et al. Genomics 80(3):295-302(2002)

Images



OR2W5 Antibody (C-term) (Cat. #AP14649b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the OR2W5 antibody detected the OR2W5 protein (arrow).