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OR52E2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12373b

Product Information

Application	WB, E
Primary Accession	Q8NGJ4
Other Accession	NP_001005164.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31265
Calculated MW	36630
Antigen Region	296-324

Additional Information

Gene ID	119678
Other Names	Olfactory receptor 52E2, OR52E2
Target/Specificity	This OR52E2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-324 amino acids from the C-terminal region of human OR52E2.
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	OR52E2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

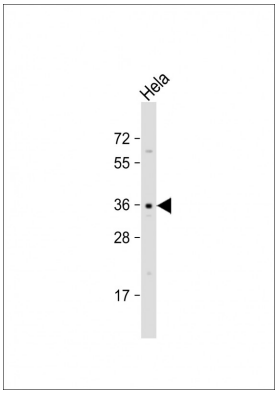
Protein Information

Name	OR52E2
Function	Odorant receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein.

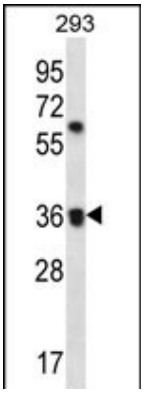
Background

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.

Images



Anti-OR52E2 Antibody (C-term) at 1:1000 dilution + Hela 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 : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



OR52E2 Antibody (C-term) (Cat. #AP12373b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the OR52E2 antibody detected the OR52E2 protein (arrow).