



# Olfactory receptor 51F1 rabbit pAb

Cat No.:ES5435

For research use only

## Overview

<b>Product Name</b>	Olfactory receptor 51F1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human OR51F1. AA range:269-318
<b>Specificity</b>	Olfactory receptor 51F1 Polyclonal Antibody detects endogenous levels of Olfactory receptor 51F1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Olfactory receptor 51F1
<b>Gene Name</b>	OR51F1
<b>Cellular localization</b>	Cell membrane; Multi-pass membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	34kD
<b>Human Gene ID</b>	256892
<b>Human Swiss-Prot Number</b>	A6NGY5
<b>Alternative Names</b>	OR51F1; OR51F1P; Olfactory receptor 51F1
<b>Background</b>	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



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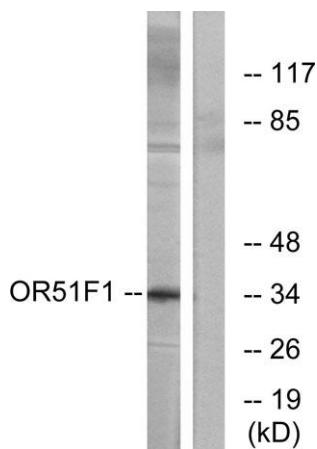
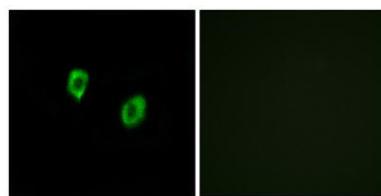
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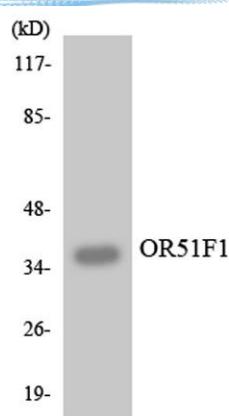
single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a

Immunofluorescence analysis of COS7 cells, using OR51F1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using OR51F1 Antibody. The lane on the right is blocked with the synthesized peptide.





Western blot analysis of the lysates from HepG2 cells using OR51F1 antibody.



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