

**Product Name: Olfactory receptor 10C1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab15132**

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## Summary

<b>Production Name</b>	Olfactory receptor 10C1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	OR10C1
<b>Alternative Names</b>	
<b>Gene ID</b>	442194.0
<b>SwissProt ID</b>	Q96KK4/Q5SUN7.The antiserum was produced against synthesized peptide derived from human OR10C1. AA range:61-110

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:40000.
<b>Molecular Weight</b>	34kD

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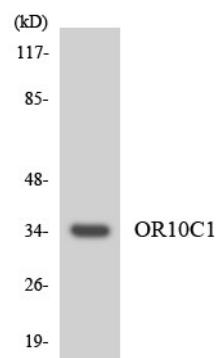
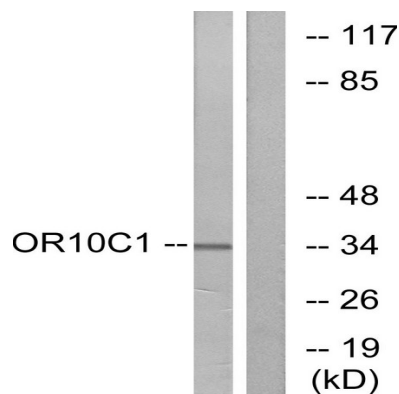
## Background

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 is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a function: Odorant receptor „polymorphism: A stop codon at position Gln-55 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene. The stop codon is more frequent in African-Americans than in non-Africans., similarity: Belongs to the G-protein coupled receptor 1 family.,

## Research Area

Olfactory transduction;

## Image Data





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Western blot analysis of the lysates from HeLa cells using OR10C1 antibody.

**Note**

For research use only.