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**Product Name: Olfactory receptor 1B1 Rabbit Polyclonal Antibody****Catalog #: APRab15166**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	33kDa

**Antigen Information**

<b>Gene Name</b>	OR1B1
<b>Alternative Names</b>	OR1B1; Olfactory receptor 1B1; Olfactory receptor 9-B; OR9-B; Olfactory receptor OR9-26
<b>Gene ID</b>	347169.0
<b>SwissProt ID</b>	Q8NGR6
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human OR1B1. AA range:161-210

**Background**

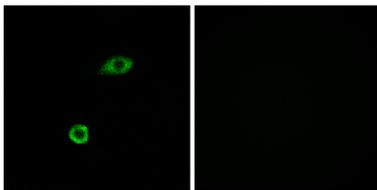
Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a

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 Arg-192 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene. The stop codon is more frequent in non-Africans than in African-Americans.,similarity:Belongs to the G-protein coupled receptor 1 family.,

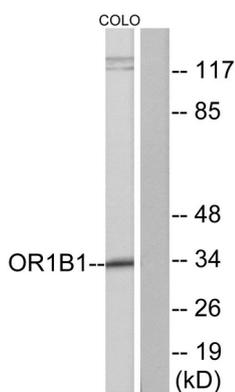
## Research Area

Olfactory transduction;

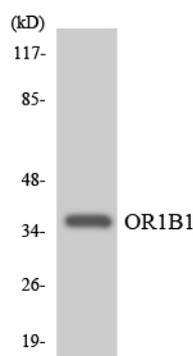
## Image Data



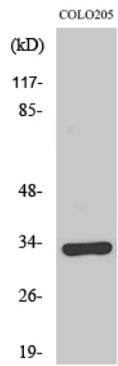
Immunofluorescence analysis of A549 cells, using OR1B1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using OR1B1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using OR1B1 antibody.



Western Blot analysis of various cells using Olfactory receptor 1B1 Polyclonal Antibody