

---

**Product Name: Olfactory receptor 8G1 Rabbit Polyclonal Antibody****Catalog #: APRab15325**

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>	35kDa

**Antigen Information**

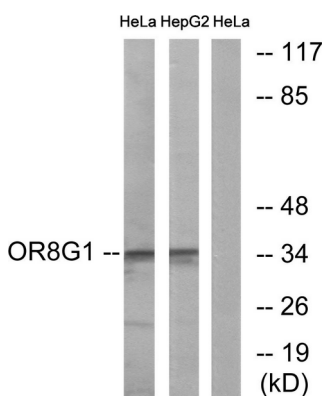
<b>Gene Name</b>	OR8G1
<b>Alternative Names</b>	OR8G1; OR8G1P; Olfactory receptor 8G1; Olfactory receptor OR11-281; Olfactory receptor TPCR25
<b>Gene ID</b>	26494.0
<b>SwissProt ID</b>	Q15617
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human OR8G1. AA range:262-311

**Background**

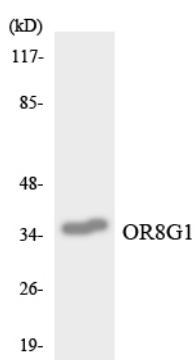
Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share 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 family member represents a polymorphic pseudogene, whereby some individuals have a functional allele that encodes a full-length protein, while others have a non-functional allele due to a stop codon in the gene coding for this protein at position Tyr-259 is responsible for functional diversity thus producing thus a pseudogene.,similarity:Belongs to the G-protein coupled receptor 1 family.,

## Research Area

### Image Data



Western blot analysis of lysates from HeLa and HepG2 cells, using OR8G1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using OR8G1 antibody.