

Product Name: Olfactory receptor 51G1 Rabbit Polyclonal Antibody
Catalog #: APRab15248

Summary

Production Name	Olfactory receptor 51G1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

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

Immunogen

Gene Name	OR51G1
Alternative Names	OR51G1; OR51G3P; Olfactory receptor 51G1; Olfactory receptor 51G3; Olfactory receptor OR11-29
Gene ID	79324.0
SwissProt ID	Q8NGK1.The antiserum was produced against synthesized peptide derived from human OR51G1. AA range:199-248

Application

Dilution Ratio	WB 1:500-1:2000, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:5000.Not yet tested in other
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applications.

Molecular Weight 36kDa

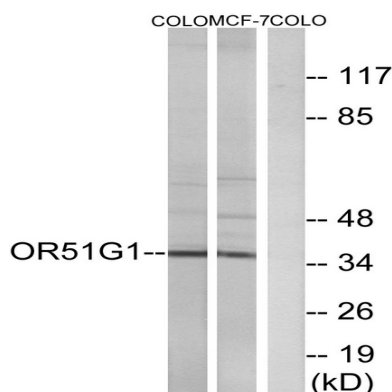
Background

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 .,similarity:Belongs to the G-protein coupled receptor 1 family.,

Research Area

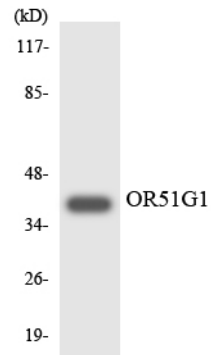
Olfactory transduction;

Image Data



Western blot analysis of lysates from COLO and MCF-7 cells, using OR51G1 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from COLO205 cells using OR51G1 antibody.

Note

For research use only.