Product Name: Olfactory receptor 51Q1 Rabbit Polyclonal Antibody
Catalog #: APRab15253

Summary

Production Name	Olfactory receptor 51Q1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	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% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	OR51Q1
Alternative Names	OR51Q1; Olfactory receptor 51Q1
Gene ID	390061.0
SwissProt ID	Q8NH59.The antiserum was produced against synthesized peptide derived from human OR51Q1. AA range:268-317

Application

Dilution Ratio	IF 1:200-1:1000. ELISA: 1:10000.
Molecular Weight	

Background

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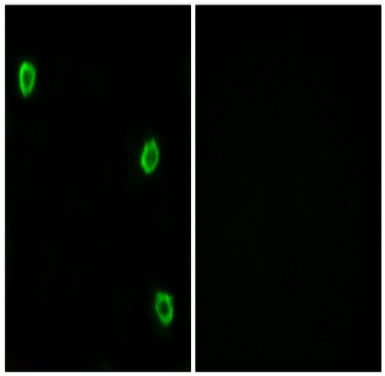
Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share 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. [provided by RefSeq, Jul 2008],function:Odorant receptor .,polymorphism:A stop codon at position Arg-236 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene.,similarity:Belongs to the G-protein coupled receptor 1 family.,

Research Area

Olfactory transduction;

Image Data



Immunofluorescence analysis of LOVO cells, using OR51Q1 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.