

Product Name: Olfactory receptor 5AR1 Rabbit Polyclonal Antibody**Catalog #: APRab15278**

For research use only.

Summary

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

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	35kDa

Antigen Information

Gene Name	OR5AR1
Alternative Names	OR5AR1; Olfactory receptor 5AR1; Olfactory receptor OR11-209
Gene ID	219493.0
SwissProt ID	Q8NGP9
Immunogen	The antiserum was produced against synthesized peptide derived from human OR5AR1. AA range:239-288

Background

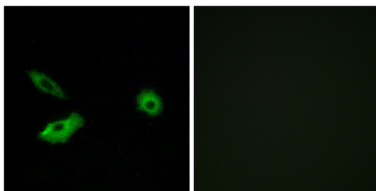
Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a

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 in the gene coding for this protein at position Gln-19 is responsible for functional diversity thus producing a pseudogene.,similarity:Belongs to the G-protein coupled receptor 1 family.,

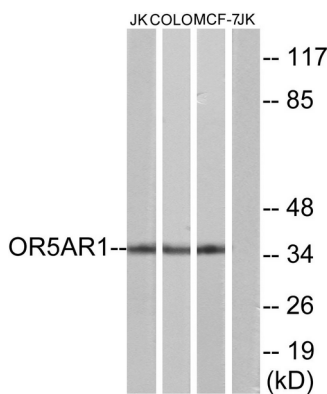
Research Area

Olfactory transduction;

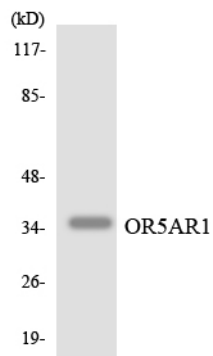
Image Data



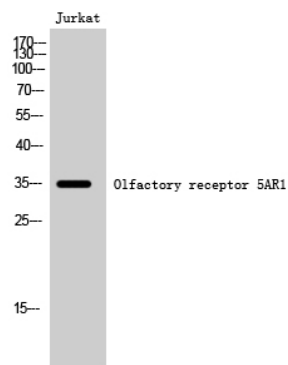
Immunofluorescence analysis of A549 cells, using OR5AR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat, COLO, and MCF-7 cells, using OR5AR1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using OR5AR1 antibody.



Western Blot analysis of Jurkat cells using Olfactory receptor 5AR1 Polyclonal Antibody