Product Name: Olfactory receptor 4A4/47 Rabbit Polyclonal Antibody
Catalog #: APRab15215

Summary

Production Name	Olfactory receptor 4A4/47 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% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	OR4A4/OR4A47
Alternative Names	OR4A4P; Putative olfactory receptor 4A4; Olfactory receptor OR11-107; OR4A47; Olfactory receptor 4A47; Olfactory receptor OR11-113
Gene ID	403253.0
SwissProt ID	Q8NGN8/Q6IF82.The antiserum was produced against synthesized peptide derived from human OR4A4. AA range:250-299

Application

Dilution Ratio	WB 1:500-1:2000, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000.Not yet tested in other applications.

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Molecular Weight 34kDa

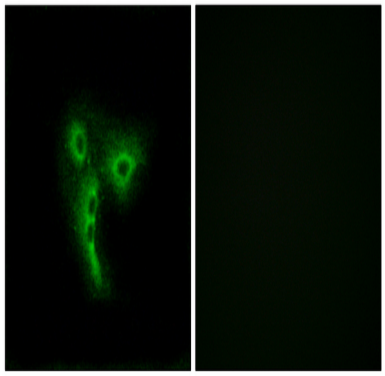
Background

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. [provided by RefSeq, Jul 2008],caution:Could be the product of a pseudogene.,function:Odorant receptor .,similarity:Belongs to the G-protein coupled receptor 1 family.,

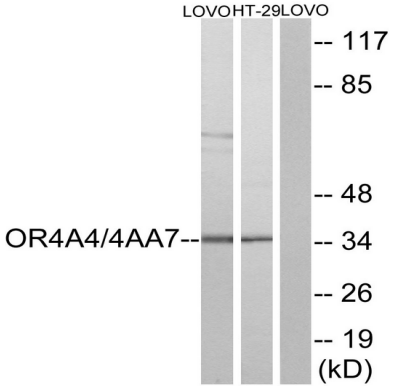
Research Area

Olfactory transduction;

Image Data



Immunofluorescence analysis of A549 cells, using OR4A4/4A47 Antibody. The picture on the right is blocked with the synthesized peptide.



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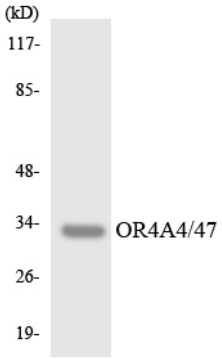
Western blot analysis of lysates from LOVO cells and HT29 cells, using OR4A4/4A47 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using OR4A4/47 antibody.

Note

For research use only.