

Product Name: Olfactory receptor 4C16 Rabbit Polyclonal Antibody
Catalog #: APRab15220

Summary

Production Name	Olfactory receptor 4C16 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	OR4C16
Alternative Names	OR4C16; Olfactory receptor 4C16; Olfactory receptor OR11-135
Gene ID	219428.0
SwissProt ID	Q8NGL9.The antiserum was produced against synthesized peptide derived from human OR4C16. AA range:261-310

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	35kDa
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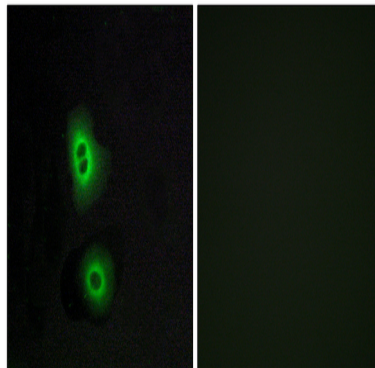
Background

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

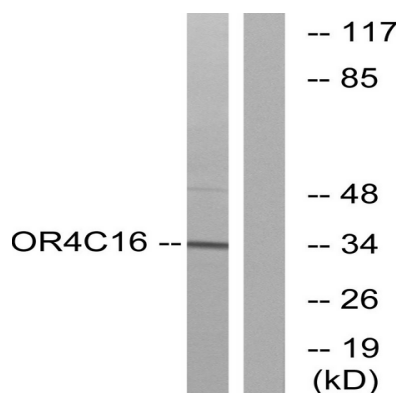
Olfactory transduction;

Image Data

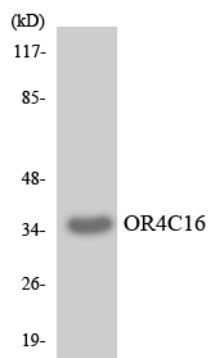


Immunofluorescence analysis of A549 cells, using OR4C16 Antibody. The picture on the right is blocked with the synthesized peptide.

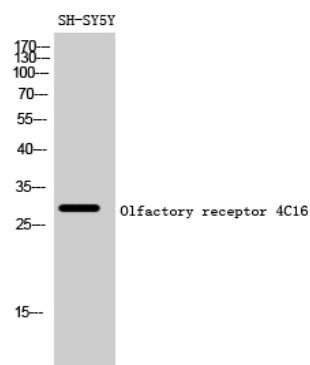
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Western blot analysis of lysates from LOVO cells, using OR4C16 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using OR4C16 antibody.



Western Blot analysis of SH-SY5Y cells using Olfactory receptor 4C16 Polyclonal Antibody diluted at 1: 500

Note

For research use only.