Product Name: D-GPCR Rabbit Polyclonal Antibody
Catalog #: APRab09957

Summary

Production Name	D-GPCR Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,WB,
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	OR51E1
Alternative Names	OR51E1; GPR164; OR51E1P; OR52A3P; POGR; PSGR2; Olfactory receptor 51E1; D-GPCR; G-protein coupled receptor 164; Olfactory receptor 52A3; Prostate-overexpressed G protein-coupled receptor; Prostate-specific G protein-coupled receptor 2
Gene ID	143503.0
SwissProt ID	Q8TCB6.The antiserum was produced against synthesized peptide derived from human OR51E1. AA range:241-290

Application

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

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Molecular Weight 35kD

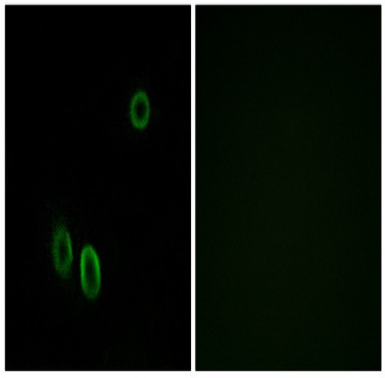
Background

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],function:Odorant receptor .,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Highly expressed in prostate. Very low levels may be detected in some other tissues, such as placenta, skeletal muscle, heart, ovary and testis. Up-regulated in prostate cancers.,

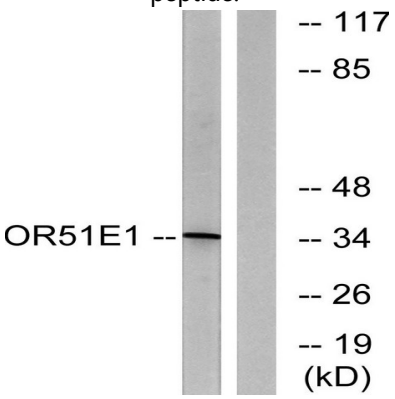
Research Area

Olfactory transduction;

Image Data



Immunofluorescence analysis of A549 cells, using OR51E1 Antibody. The picture on the right is blocked with the synthesized peptide.



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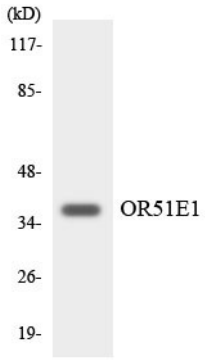
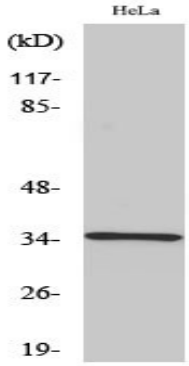
Western blot analysis of lysates from HeLa cells, using OR51E1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using OR51E1 antibody.



Western Blot analysis of various cells using D-GPCR Polyclonal Antibody

Note

For research use only.