
Product Name: PSGR Rabbit Polyclonal Antibody**Catalog #: APRab00427**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Rat
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% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 35 kDa; Observed MW: 35 kDa

Antigen Information

Gene Name	OR51E2
Alternative Names	PSGR; HPRAJ; OR52A2; OR51E3P
Gene ID	81285
SwissProt ID	Q9H255
Immunogen	The antiserum was produced against synthesized peptide derived from human OR51E2. AA range:221-270

Background

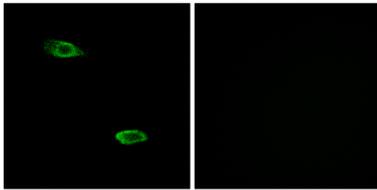
Probable G protein-coupled receptor that is activated by the short chain fatty acids (SCFA) acetate and propionate. In response

to SCFA, may positively regulate renin secretion and increase blood pressure (PubMed:23401498). May also be activated by steroid hormones and regulate cell proliferation (PubMed:19389702). May also function as an olfactory receptor being activated by beta-ionone (PubMed:19389702).

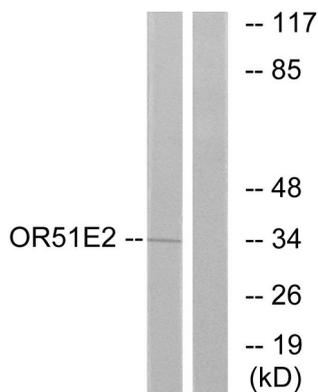
Research Area

Neuroscience

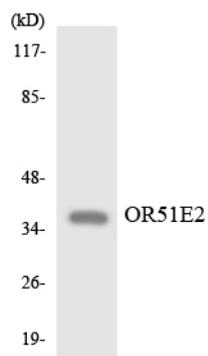
Image Data



Immunofluorescence analysis of PSGR in A549 using PSGR antibody. Sample with blocking peptide on the right.



Western blot analysis of PSGR in Jurkat lysates using PSGR antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of PSGR in HepG2 lysates using PSGR antibody