

Product Name: PSGR Rabbit Polyclonal Antibody
Catalog #: APRab00427



Summary

Production Name	PSGR Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB, ICC/IF, ELISA
Reactivity	Human, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
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% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	OR51E2
Alternative Names	PSGR; HPRAJ; OR52A2; OR51E3P
Gene ID	81285
SwissProt ID	Q9H255

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 ELISA: 1/10000
Molecular Weight	Calculated MW: 35 kDa; Observed MW: 35 kDa

Background

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

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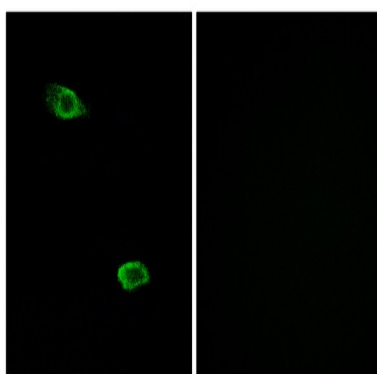


response to SCFA, may positively regulate renin secretion and increase blood pressure (PubMed:23401498). May also be activated by steroid hormones and regulate cell proliferation (PubMed:19389702). May also function as an olfactory receptor being activated by beta-ionone (PubMed:19389702).

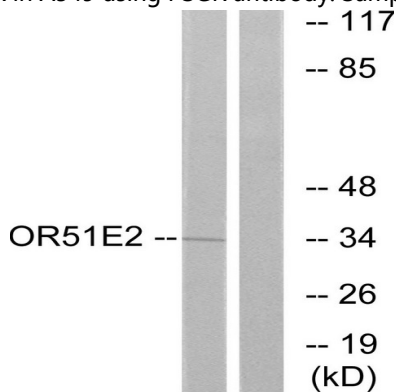
Research Area

Neuroscience

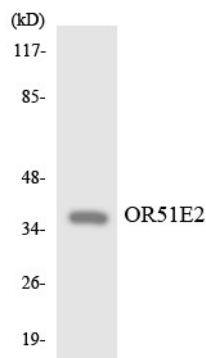
Image Data



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.



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Western blot analysis of PSGR in HepG2 lysates using PSGR antibody

Note

For research use only.