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Anti-GPR146 Antibody

Catalog # AP61477

Product Information

Application	WB, IF/IC
Primary Accession	Q96CH1
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36580

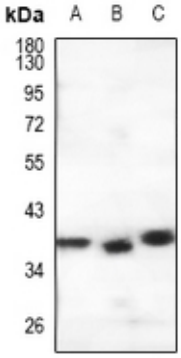
Additional Information

Gene ID	115330
Other Names	PGR8; Probable G-protein coupled receptor 146; G-protein coupled receptor PGR8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR146. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/50 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

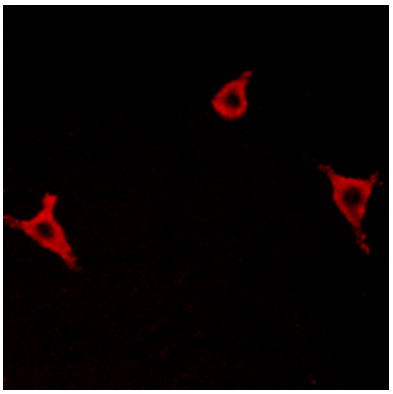
Protein Information

Name	GPR146
Synonyms	PGR8
Function	G protein-coupled receptor required for the regulation of plasma cholesterol levels (PubMed:31778654, PubMed:38503280). Receptor for CHLSN, a gut derived hormone which mediates an inhibitory effect of intestinal cholesterol absorption on hepatic cholesterol synthesis. Cholesin-binding exerts an antagonistic effect by inhibiting PKA signaling and suppressing SREBF2-controlled cholesterol in the liver (PubMed:38503280).
Cellular Location	Cell membrane; Multi-pass membrane protein

Images



Western blot analysis of GPR146 expression in A549 (A), Hela (B), rat lung (C) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 37 kD)



Immunofluorescent analysis of GPR146 staining in LOVO cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.