For Research Use Only

GPR146 Polyclonal antibody

Catalog Number:16334-1-AP

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Basic Information

Catalog Number:
16334-1-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9456

GenBank Accession Number:
BC014241

GeneID (NCBI):
115330

UNIPROT ID:
Q96CH1

Full Name:
G protein-coupled receptor 146

Calculated MW:
333 aa, 37 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse liver tissue, mouse kidney tissue

Background Information

As a member of GPCRs, GPR146 (G protein-coupled receptor 146) was initially discovered as a c-peptide signal body. GPR146 may act as a c peptide receptor to interact with proinsulin c-peptide to regulate insulin levels (PMID: 37926274). Mechanically, GPR146 induces hepatic sterol regulatory element binding protein 2 (SREBP2) via the activation of extracellular signal-regulated kinase 1/2 (ERK1/2) signaling, consequently resulting in hepatic low-density lipoprotein (VLDL) secretion (PMID: 32491159).

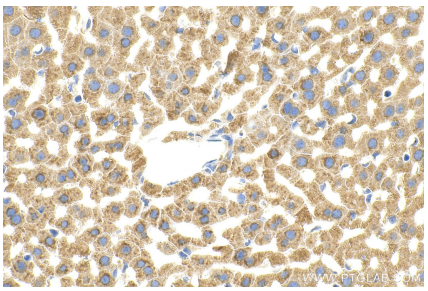
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

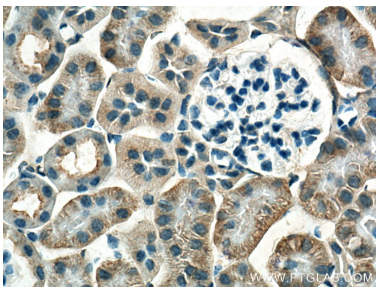
***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 16334-1-AP (GPR146 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16334-1-AP (GPR146 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).