

For Research Use Only

SUCNR1 Polyclonal antibody

Catalog Number: 31987-1-AP



Basic Information

Catalog Number:

31987-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34053

GenBank Accession Number:

BC030948

GeneID (NCBI):

56670

UNIPROT ID:

Q9BXA5

Full Name:

succinate receptor 1

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 kidney tissue, mouse liver tissue

Background Information

SUCNR1 (Succinate Receptor 1), also known as GPR91, belongs to the family of G protein-coupled receptors (GPCRs) (PMID: 26808164). SUCNR1 has been identified as a receptor for the metabolite succinate, which functions as a metabolic stress signal in various tissues including the liver, kidney, adipose tissue, and retina (PMID: 29968758). SUCNR1 is crucial in linking metabolic stress, inflammation, and energy homeostasis. It mediates signaling through Gq/GNAQ or Gi/GNAI second messengers depending on the cell type and regulated processes.

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

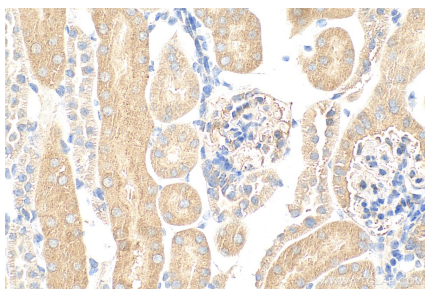
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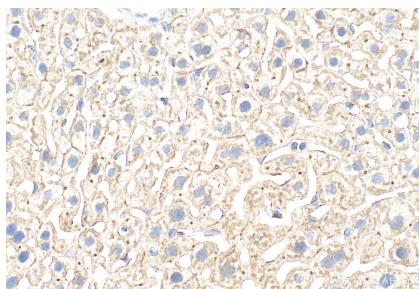
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 31987-1-AP (SUCNR1 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 liver tissue slide using 31987-1-AP (SUCNR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).