

PON3 Polyclonal antibody

Catalog Number: 31793-1-AP

Basic Information

Catalog Number:

31793-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36602

GenBank Accession Number:

NM_000940.2

GeneID (NCBI):

5446

UNIPROT ID:

Q15166

Full Name:

paraoxonase 3

Calculated MW:

NM_000940.2 40kDa, 354aa

Observed MW:

40 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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:

WB : A549 cells, HepG2 cells, mouse liver tissue, rat liver tissue

IHC : human liver tissue, mouse liver tissue, rat liver tissue

Background Information

PON3, a member of the paraoxonase family, is expressed primarily in the liver and encodes a protein that is secreted into the bloodstream and binds to high-density lipoprotein (HDL). It also rapidly hydrolyzes lactones and inhibits the oxidation of low-density lipoprotein (LDL), thereby slowing the onset and progression of atherosclerosis. In addition, PON3 is closely associated with hepatocellular carcinoma (HCC), and is a potential therapeutic target for HCC by inducing cell cycle arrest and further inhibiting HCC cell proliferation.

Storage

Storage:

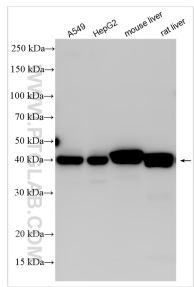
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

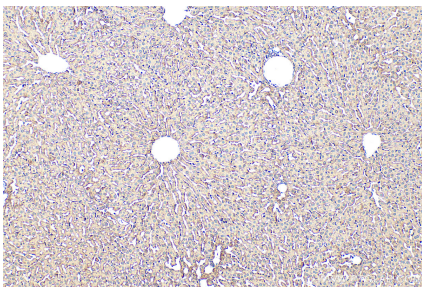
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

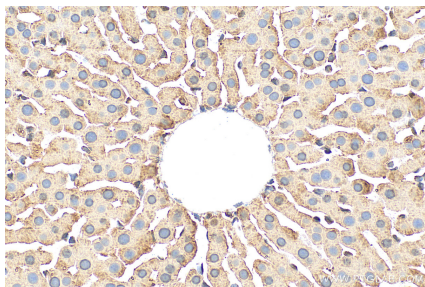
Selected Validation Data



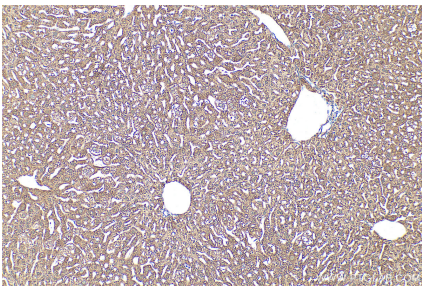
Various lysates were subjected to SDS PAGE followed by western blot with 31793-1-AP (PON3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



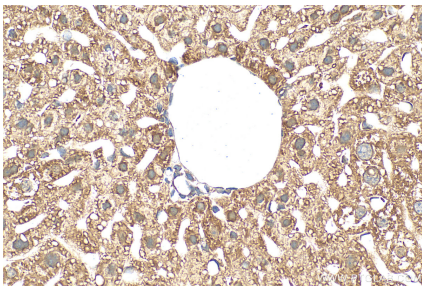
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



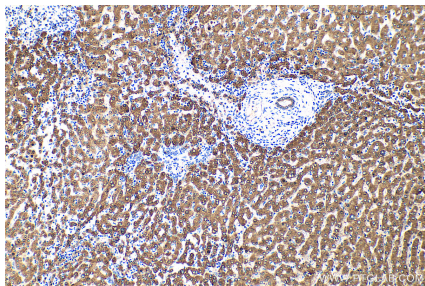
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



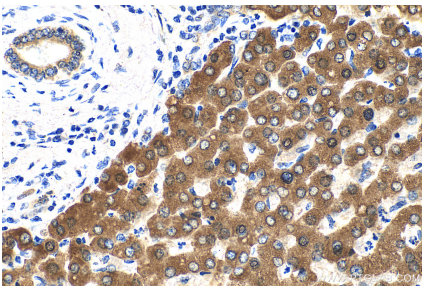
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 31793-1-AP (PON3 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 human liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).