

For Research Use Only

PON3 Polyclonal antibody

Catalog Number: 31793-1-AP



Basic Information

Catalog Number: 31793-1-AP	GenBank Accession Number: NM_000940.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 5446	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q15166	
Isotype: IgG	Full Name: paraoxonase 3	
Immunogen Catalog Number: AG36602	Calculated MW: NM_000940.2 40kDa 354aa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : A549 cells, HepG2 cells, mouse liver tissue, rat liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

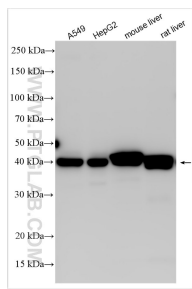
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

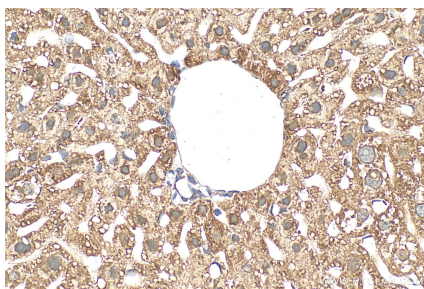
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

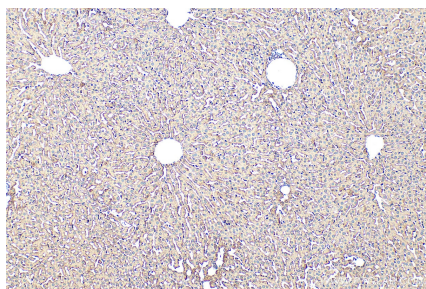
Selected Validation Data



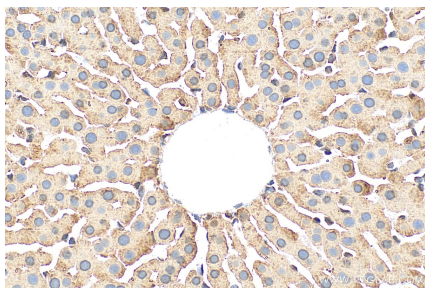
Various lysates were subjected to SDS PAGE followed by western blot with 31793-1-AP (PON3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



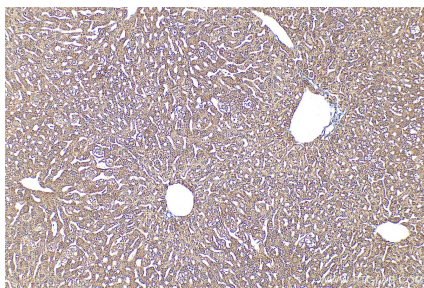
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



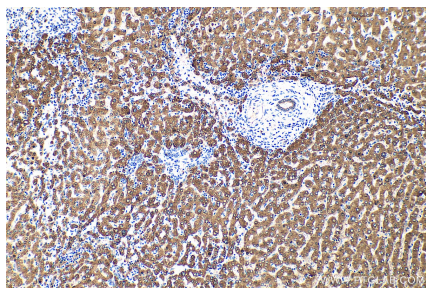
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



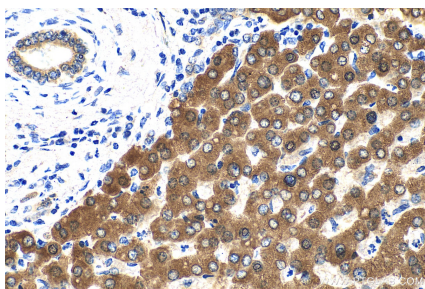
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 31793-1-AP (PON3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 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).