

For Research Use Only

PON3 Recombinant antibody, PBS Only

Catalog Number: 84604-4-PBS



Basic Information

Catalog Number: 84604-4-PBS	GenBank Accession Number: NM_000940.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5446	CloneNo.: 242035D11
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, Indirect ELISA

Species Specificity:
human

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

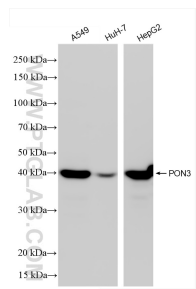
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

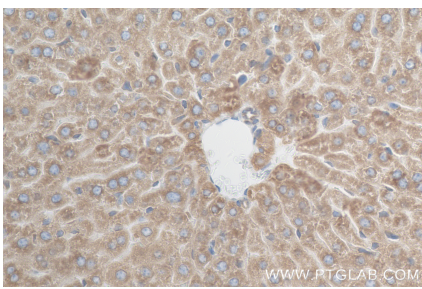
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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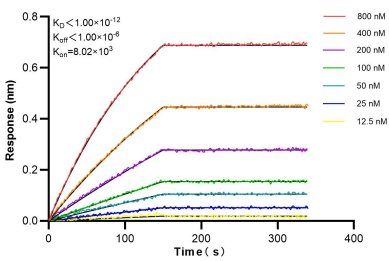
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84604-4-RR (PON3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84604-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84604-4-RR (PON3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84604-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84604-4-RR against Human PON3 were performed. The affinity constant is below 1 pM.