

For Research Use Only

Selenoprotein P Polyclonal antibody, PBS Only

Catalog Number:30249-1-PBS



Basic Information

Catalog Number: 30249-1-PBS	GenBank Accession Number: NM_001085486.2	Purification Method: Antigen affinity purification
Concentration: 1 mg/ml	GeneID (NCBI): 6414	
Source: Rabbit	UNIPROT ID: P49908	
Isotype: IgG	Full Name: selenoprotein P, plasma, 1	
Immunogen Catalog Number: AG32952	Calculated MW: 43 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

Selenoprotein P, also known as SEPP1, is expressed in the liver and heart and secreted into the plasma (PMID: 8421687). Selenoprotein P is implicated as an extracellular antioxidant involved in the transport of selenium to extra-hepatic tissues via apolipoprotein E receptor-2 (apoER2) and provides selenium to tissues such as brain and testis. In humans, it exists in plasma as two isoforms of approximately 50 and 60 kDa (PMID:19453253). Selenoprotein P is a glycosylated protein and deglycosylation of SEPP1 results in 45 kDa and 35 kDa isoforms (PMID: 25298198).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

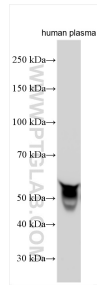
T: 4006900926

E: Proteintech-CN@ptglab.com

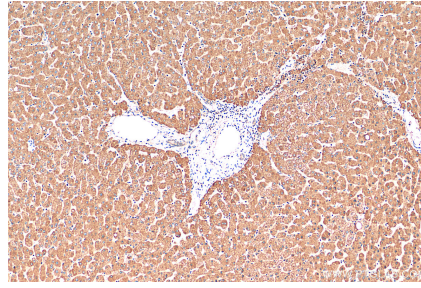
W: ptgcn.com

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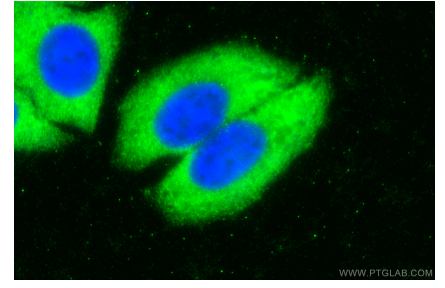
Selected Validation Data



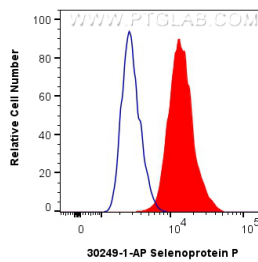
human plasma were subjected to SDS PAGE followed by western blot with 30249-1-AP (Selenoprotein P antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30249-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 30249-1-AP (Selenoprotein P antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30249-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Selenoprotein P antibody (30249-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 30249-1-PBS in a different storage buffer formulation.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug Selenoprotein P Polyclonal antibody (30249-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 30249-1-PBS in a different storage buffer formulation.