

For Research Use Only

# Selenoprotein P Polyclonal antibody

Catalog Number: 30249-1-AP



## Basic Information

<b>Catalog Number:</b> 30249-1-AP	<b>GenBank Accession Number:</b> NM_001085486.2	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6414	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> selenoprotein P, plasma, 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 43 kDa	
<b>Immunogen Catalog Number:</b> AG32952	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : human plasma, IHC : human liver tissue, IF : HepG2 cells,
<b>Species Specificity:</b> Human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 -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

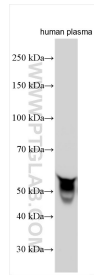
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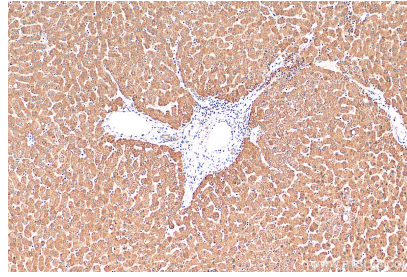
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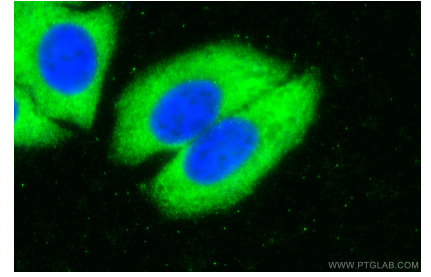
## Selected Validation Data



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.



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).



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).