

For Research Use Only

# Selenoprotein P Recombinant antibody, PBS Only

Catalog Number:85017-4-PBS



## Basic Information

<b>Catalog Number:</b> 85017-4-PBS	<b>GenBank Accession Number:</b> NM_001085486.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6414	<b>CloneNo.:</b> 242510E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49908	
<b>Isotype:</b> IgG	<b>Full Name:</b> selenoprotein P, plasma, 1	
<b>Immunogen Catalog Number:</b> AG32952	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 45-60 kDa	

## Applications

**Tested Applications:**  
WB, 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.

**Storage Buffer:**  
PBS Only

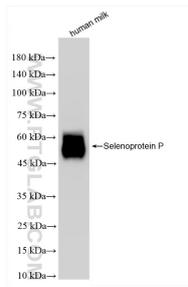
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## Selected Validation Data



human milk were subjected to SDS PAGE followed by western blot with 85017-4-RR (Selenoprotein P antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85017-4-PBS in a different storage buffer formulation.