

For Research Use Only

Selenoprotein P Recombinant antibody

Catalog Number: 85017-4-RR



Basic Information

Catalog Number: 85017-4-RR	GenBank Accession Number: NM_001085486.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6414	CloneNo.: 242510E7
Source: Rabbit	UNIPROT ID: P49908	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: selenoprotein P, plasma, 1	
Immunogen Catalog Number: AG32952	Calculated MW: 43 kDa	
	Observed MW: 45-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human milk,
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

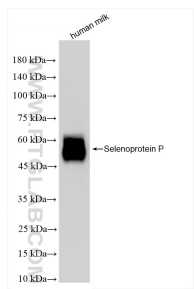
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

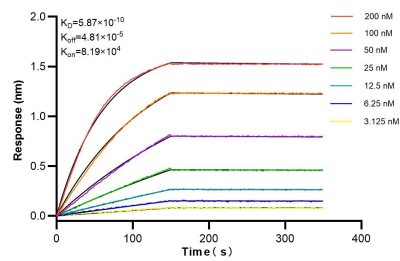
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.



Biolayer interferometry (BLI) kinetic assays of 85017-4-RR against Human Selenoprotein P were performed. The affinity constant is 0.587 nM.