

For Research Use Only

# Selenoprotein P Recombinant antibody

Catalog Number: 85017-4-RR



## Basic Information

Catalog Number:

85017-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32952

GenBank Accession Number:

NM\_001085486.2

GeneID (NCBI):

6414

UNIPROT ID:

P49908

Full Name:

selenoprotein P, plasma, 1

Calculated MW:

43 kDa

Observed MW:

45-60 kDa

Purification Method:

Protein A purification

CloneNo.:

242510E7

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human milk,

## 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

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

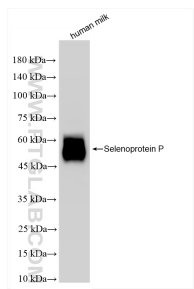
T: 4006900926

E: Proteintech-CN@ptglab.com

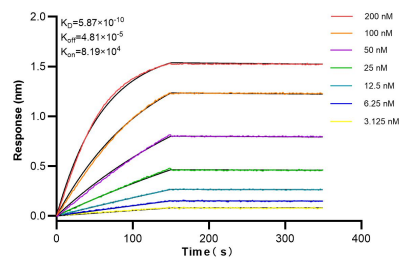
W: ptgcn.com

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## Selected Validation Data



human 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.