

For Research Use Only

PROSC Recombinant antibody

Catalog Number: 83831-5-RR



Basic Information

Catalog Number:

83831-5-RR

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18369

GenBank Accession Number:

BC012334

GeneID (NCBI):

11212

UNIPROT ID:

O94903

Full Name:

proline synthetase co-transcribed homolog (bacterial)

Calculated MW:

275 aa, 30 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

240998B6

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HepG2 cells, K-562 cells, Jurkat cells, L02 cells, mouse liver tissue

Background Information

Human Pyridoxal 5' -phosphate-binding protein (PLPBP; previously proline synthase cotranscribed homolog, PROSC) was first described in 1999 and was demonstrated to be ubiquitously expressed in many tissues. PROSC is ubiquitously expressed in human tissues and is highly conserved throughout evolution. PROSC deficiency could therefore markedly increase free cellular PLP levels (PMID: 31825581, 27912044).

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:

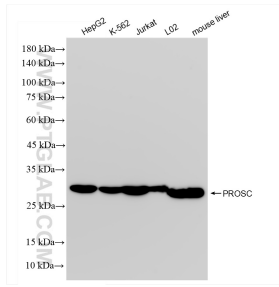
T: 4006900926

E: Proteintech-CN@ptglab.com

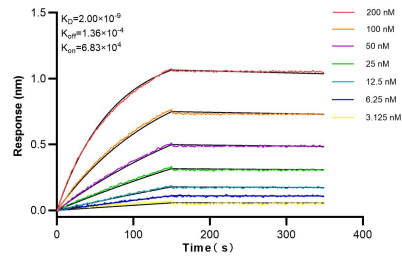
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83831-5-RR (PROSC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83831-5-RR against Human PROSC were performed. The affinity constant is 2.00 nM.