

For Research Use Only

PROSC Polyclonal antibody

Catalog Number: 25154-1-AP

2 Publications



Basic Information

Catalog Number:

25154-1-AP

Concentration:

1000 ug/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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:100-1:400

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HepG2 cells, L02 cells

IHC : human skeletal muscle tissue,

IF/ICC : U2OS cells,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Devon L Johnstone	30668673	Brain	WB
Jana Key	38139332	Int J Mol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

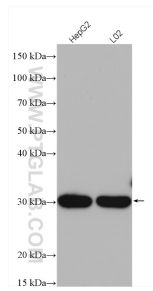
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

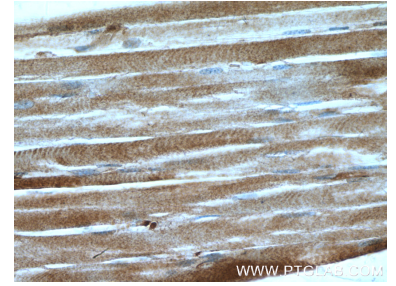
Selected Validation Data



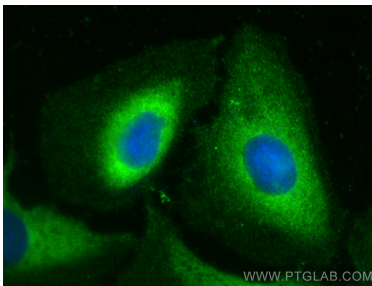
Various lysates were subjected to SDS PAGE followed by western blot with 25154-1-AP (PROSC antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25154-1-AP (PROSC Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25154-1-AP (PROSC Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using PROSC antibody (25154-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).