

For Research Use Only

PROSC Polyclonal antibody

Catalog Number: 25154-1-AP **2 Publications**



Basic Information

Catalog Number: 25154-1-AP	GenBank Accession Number: BC012334	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11212	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:100-1:400 IF 1:20-1:200
Source: Rabbit	Full Name: proline synthetase co-transcribed homolog (bacterial)	
Isotype: IgG	Calculated MW: 275 aa, 30 kDa	
Immunogen Catalog Number: AG18369	Observed MW: 30 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, L02 cells IHC : human skeletal muscle tissue, IF : L02 cells,
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	

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

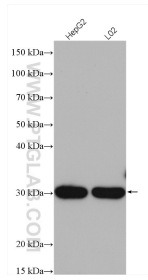
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

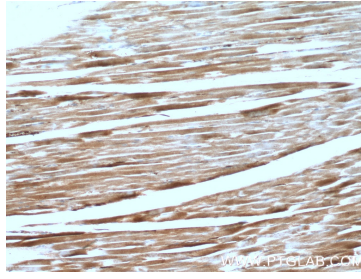
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

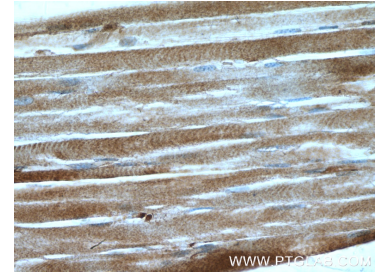
Selected Validation Data



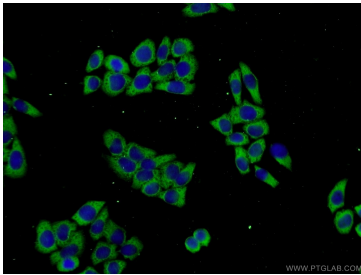
Various lysates were subjected to SDS PAGE followed by western blot with 25154-1-AP (PROSC antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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 L02 cells using 25154-1-AP (PROSC antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).