For Research Use Only

PROSC Recombinant antibody

Catalog Number:83831-5-RR



Basic Information	Catalog Number: 83831-5-RR	GenBank Accession Number: BC012334	Purification Method: Protein A purfication
	Size: 100ul , Concentration: 650 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG18369	GeneID (NCBI): 11212	CloneNo.: 24099886
		UNIPROT ID: O 94903	Recommended Dilutions: WB 1:5000-1:50000
		Full Name: proline synthetase co-transcribed homolog (bacterial) Calculated MW: 275 aa, 30 kDa	
		Applications	Tested Applications: WB, ELISA Species Specificity: human, mouse
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.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage	

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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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 (BLL) kinetic assays of 83831-5-RR against Human PROSC were performed. The affinity constant is 2.00 nM.