

For Research Use Only

CLYBL Recombinant antibody

Catalog Number: 85399-4-RR



Basic Information

Catalog Number: 85399-4-RR	GenBank Accession Number: BC034360	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 171425	CloneNo.: 242785F10
Source: Rabbit	UNIPROT ID: Q8NOX4	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: citrate lyase beta like	
Immunogen Catalog Number: AG11283	Calculated MW: 340 aa, 37 kDa	
	Observed MW: 30-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NIH/3T3 cells, HSC-T6 cells, THP-1 cells
Species Specificity: human, mouse, rat	

Background Information

CLYBL, also named CLB, is a Mitochondrial citramalyl-CoA lyase indirectly involved in vitamin B12 metabolism (PubMed:29056341). It is a human mitochondrial enzyme of unknown function that is found in multiple eukaryotic taxa and conserved to bacteria. It acts as a beta-methylmalate synthase in vitro, by mediating the conversion of glyoxylate and propionyl-CoA to beta-methylmalate. There are two isoforms with MW 31-33 kDa and 35-37 kDa.

Storage

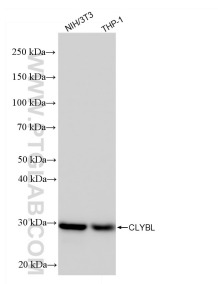
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

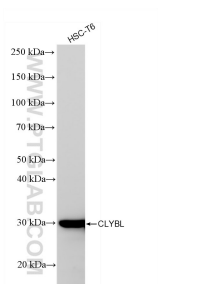
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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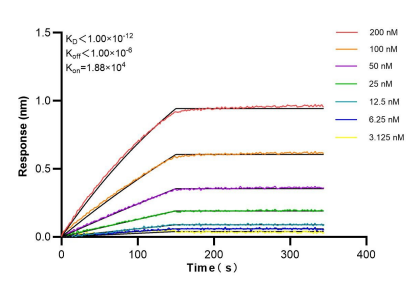
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85399-4-RR (CLYBL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 85399-4-RR (CLYBL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85399-4-RR against Human CLYBL were performed. The affinity constant is below 1 pM.