

For Research Use Only

CLYBL Recombinant antibody

Catalog Number: 85399-4-RR



Basic Information

Catalog Number:

85399-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11283

GenBank Accession Number:

BC034360

GeneID (NCBI):

171425

UNIPROT ID:

Q8NOX4

Full Name:

citrate lyase beta like

Calculated MW:

340 aa, 37 kDa

Observed MW:

30-40 kDa

Purification Method:

Protein A purification

CloneNo.:

242785F10

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : NIH/3T3 cells, HSC-T6 cells, THP-1 cells

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

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

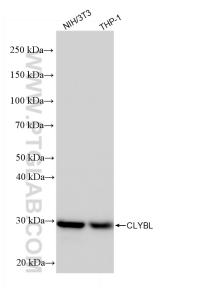
T: 4006900926

E: Proteintech-CN@ptglab.com

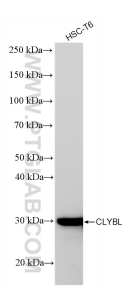
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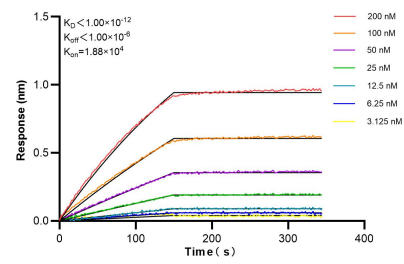
Selected Validation Data



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.