

For Research Use Only

# CLYBL Polyclonal antibody

Catalog Number: 17314-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 17314-1-AP	<b>GenBank Accession Number:</b> BC034360	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 171425	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NOX4	
<b>Isotype:</b> IgG	<b>Full Name:</b> citrate lyase beta like	
<b>Immunogen Catalog Number:</b> AG11283	<b>Calculated MW:</b> 340 aa, 37 kDa	
	<b>Observed MW:</b> 37 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HepG2 cells, human heart tissue, Jurkat cells, THP-1 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human liver tissue,
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CLYBL, also named as CLB, is a Mitochondrial citramalyl-CoA lyase indirectly involved in the 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 conversion of glyoxylate and propionyl-CoA to beta-methylmalate. There're two isoforms with MW 31-33 kDa and 35-37 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Satabdi Nandi	32092784	Eur J Immunol	WB
Wenke Wang	39863605	Cell Death Dis	WB

## 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:

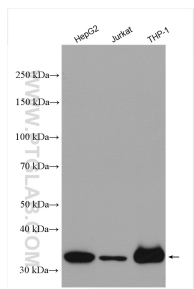
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17314-1-AP (CLYBL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

