

For Research Use Only

CLYBL Polyclonal antibody

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



Basic Information

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

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HepG2 cells, human heart tissue, Jurkat cells, THP-1 cells
Species Specificity: human, mouse, rat	IHC : human liver tissue,
Cited Species: 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

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

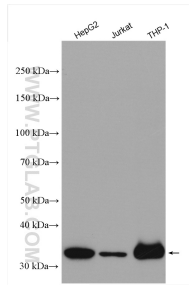
Storage

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

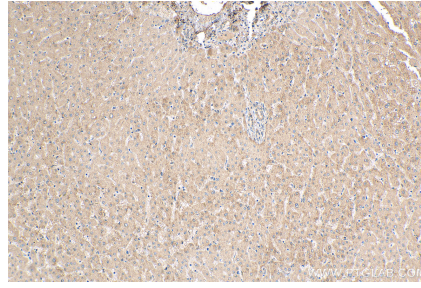
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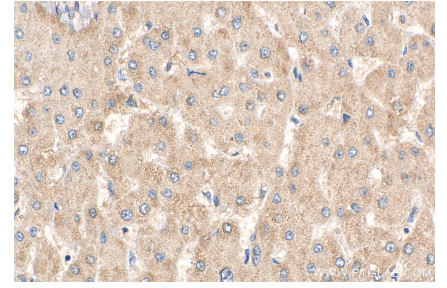
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17314-1-AP (CLYBL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17314-1-AP (CLYBL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).