



CLYBL polyclonal antibody

Catalog: BS34684

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Citramalyl-CoA lyase, mitochondrial: Mitochondrial enzyme required to detoxify vitamin B12-poisoning metabolites. Acts as a citramalyl-CoA lyase by converting citramalyl-CoA into acetyl-CoA and pyruvate in the C5-dicarboxylate catabolism pathway, a pathway required to detoxify itaconate, a vitamin B12-poisoning metabolite. Also acts as a malyl-CoA thioesterase to detoxify malyl-CoA, a side product of citric acid cycle enzymes, which is toxic for the vitamin B12-dependent enzyme MMUT. Also acts as a malate synthase in vitro, converting glyoxylate and acetyl-CoA to malate. Also acts as a beta-methylmalate synthase in vitro, by mediating conversion of glyoxylate and propionyl-CoA to beta-methylmalate. Also has very weak citramalate synthase activity in vitro.

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~37.4 kDa

Swiss-Prot:

Q8N0X4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CLYBL protein

DATA:

Western blot analysis of ALB expression in Hela (A), Serum (B), liver (C), BEC7402 (D) whole cell lysates.

Immunohistochemical analysis of ALB staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Flow cytometric analysis of HepG2 cells using Anti-ALB Antibody (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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