MPC1 Polyclonal Antibody

catalog number: **E-AB-92195**

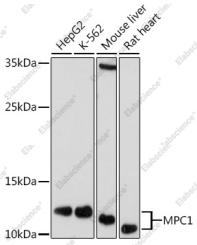
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human MPC1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IP	1:50-1:200

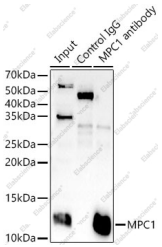
Data



Western blot analysis of extracts of various cell lines using MPC1 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:12 kDa

Calculated-MW:12 kDa



Immunoprecipitation analysis of 300ug extracts of K-562 cells using 3ug MPC1 Polyclonal Antibody.Western blot was performed from the immunoprecipitate using MPC1 Polyclonal Antibody at a dilution of 1:1000.

Observed-MW:12 kDa

Calculated-MW:12 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

The protein encoded by this gene is part of an MPC1/MPC2 heterodimer that is responsible for transporting pyruvate into mitochondria. The encoded protein is found in the inner mitochondrial membrane. Defects in this gene are a cause of mitochondrial pyruvate carrier deficiency. Several transcript variants, some protein coding and one non-protein coding, have been found for this gene.

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