

PDHA1 Polyclonal Antibody

catalog number: E-AB-52930

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

Description

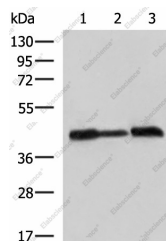
Reactivity	Human;Mouse;Rat
Immunogen	Fusion protein of human PDHA1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

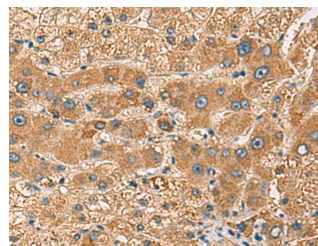
Recommended Dilution

WB	1:1000-1:5000
IHC	1:50-1:300

Data



Western blot analysis of A549 Hela and HepG2 cell lysates using PDHA1 Polyclonal Antibody at dilution of 1:750



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using PDHA1 Polyclonal Antibody at dilution of 1:50(×200)

Observed-MW: Refer to figures

Calculated-MW: 43 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

PDHA1 (Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial) is also named as PHE1A. It is one of the 3 enzymes of the pyruvate dehydrogenase complex which is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA. It has 4 isoforms produced by alternative splicing. Defects in PDHA1 are a cause of pyruvate dehydrogenase E1-alpha deficiency (PDHAD) and X-linked Leigh syndrome (X-LS).

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