

PDHB

Reactivity: Human Mouse Rat

Tested applications: WB IHC IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:20 - 1:200 IP 1:20 - 1:50

Calculated MW: 39kDa

Observed MW: Refer to figures

Immunogen:

A synthetic Peptide of human PDHB

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

PDHBD; PHE1B; PDHE1-B;

Catalog #: A4011

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5162

Isotype: IgG

Swiss Prot: P11177

Purity: Affinity purification

For research use only.

Background:

The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and carbon dioxide, and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 beta subunit. Mutations in this gene are associated with pyruvate dehydrogenase E1-beta deficiency. Alternatively spliced transcript variants have been found for this gene.

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