

## PDHB

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**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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