

# Pyruvate Dehydrogenase E1 beta Rabbit mAb

Catalog # AP77159

## Product Information

<b>Application</b>	WB, IHC-P, IF, FC, ICC, IP
<b>Primary Accession</b>	<a href="#">P11177</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human Pyruvate Dehydrogenase E1 beta subunit
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	39233

## Additional Information

<b>Gene ID</b>	5162
<b>Other Names</b>	PDHB
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A IP~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

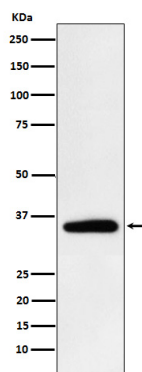
<b>Name</b>	PDHB ( <a href="#">HGNC:8808</a> )
<b>Synonyms</b>	PHE1B
<b>Function</b>	Together with PDHA1 forms the heterotetrameric E1 subunit of the pyruvate dehydrogenase (PDH) complex (PubMed: <a href="#">17474719</a> , PubMed: <a href="#">19081061</a> ). The PDH complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links cytoplasmic glycolysis and the mitochondrial tricarboxylic acid (TCA) cycle (Probable). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and dihydrolipoamide dehydrogenase (E3) (Probable). The E1 subunit catalyzes both the thiamine pyrophosphate (TPP)-dependent decarboxylation of pyruvate and the reductive acetylation of a lipoyl group covalently linked to the lipoyl-bearing domains of E2 (PubMed: <a href="#">19081061</a> ).

## Cellular Location

Mitochondrion matrix {ECO:0000250 | UniProtKB:P26284}

## Images

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