



Rabbit Anti-PDHB antibody

SL4033R

Product Name:	PDHB
Chinese Name:	丙酮酸脱氢酶E1β亚单位抗体
Alias:	PDHB; PDHE1 B; PHE1B; Pyruvate dehydrogenase (lipoamide) beta; Pyruvate dehydrogenase E1 beta polypeptide; Pyruvate dehydrogenase E1 component subunit beta; Pyruvate dehydrogenase E1 component subunit beta mitochondrial; DKFZp564K0164; ODPB_HUMAN.
文献引用 PubMed :	Specific References(1) SL4033R has been referenced in 1 publications. [IF=2.08] Xing, Wen Min, et al. "Proteomic identification of mitochondrial targets involved in andrographolide sodium bisulfite-induced nephrotoxicity in a rat model."Environmental Toxicology and Pharmacology (2015). WB;Rat. PubMed:26356389
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PDHB:51-150/359
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂. It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).</p> <p>Function: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂. It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).</p> <p>Subunit: Tetramer of 2 alpha and 2 beta subunits.</p> <p>Subcellular Location: Mitochondrion matrix.</p> <p>DISEASE: Defects in PDHB are the cause of pyruvate dehydrogenase E1-beta deficiency (PDHBD) [MIM:614111]. An enzymatic defect causing primary lactic acidosis in children. It is associated with a broad clinical spectrum ranging from fatal lactic acidosis in the newborn to chronic neurologic dysfunction with structural abnormalities in the central nervous system without systemic acidosis.</p> <p>SWISS: P11177</p> <p>Gene ID: 5162</p> <p>Database links:</p> <p>Entrez Gene: 5162Human</p> <p>Entrez Gene: 68263Mouse</p> <p>Entrez Gene: 289950Rat</p> <p>Oimim: 179060Human</p> <p>SwissProt: P11177Human</p> <p>SwissProt: Q9D051Mouse</p>

[SwissProt: P49432](#)Rat

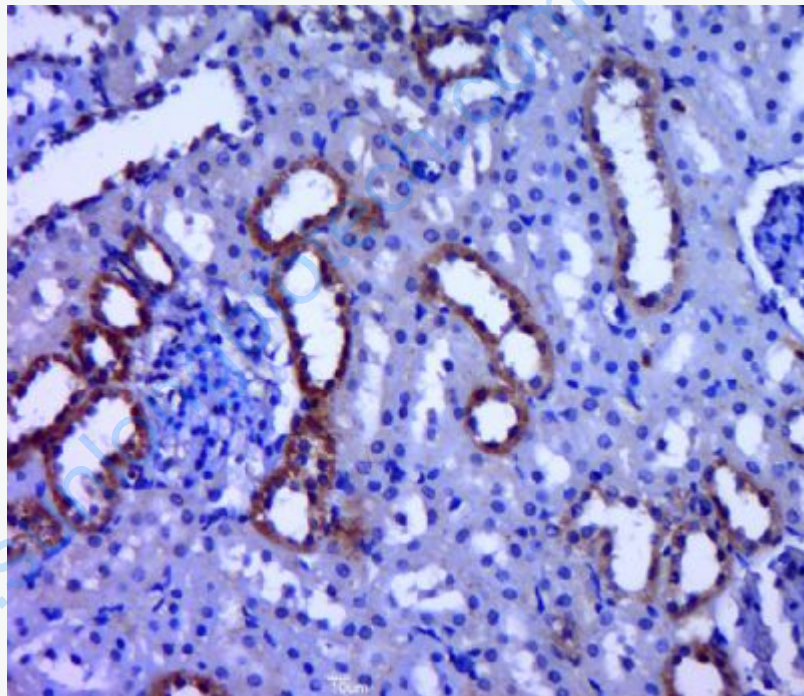
[Unigene: 161357](#)Human

[Unigene: 301527](#)Mouse

[Unigene: 102424](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PDHB) Polyclonal Antibody, Unconjugated (SL4033R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

