

Rabbit PDHB Polyclonal Antibody | anti-PDHB antibody

PDHB Antibody

CATALOG # AAA323270	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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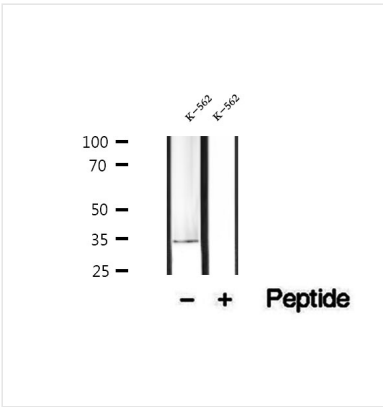
PRODUCT SYNONYMS

PDHB; Polyclonal Antibody; PDHB Antibody; DKFZp564K0164; mitochondrial; ODPB_HUMAN; pdhB; PDHBD; PDHE1 B; 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; anti-PDHB antibody

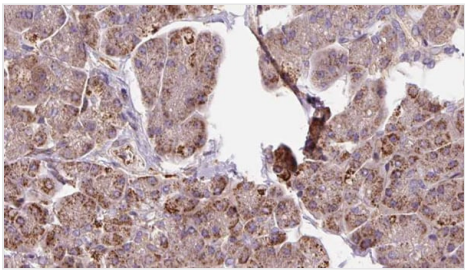
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDHB antibody detects endogenous levels of PDHB.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-PDHB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDHB.
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Rabbit, Dog, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of K-562 cells, using PDHB antibody.



IHC (Immunohistochemistry)
AAA323270 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PDHB antibody	Function: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and thereby links the glycolytic pathway to the tricarboxylic cycle. Subunit Structure: Heterotetramer of two PDHA1 and two PDHB subunits (PubMed:12651851, PubMed:17474719, PubMed:19081061). The heterotetramer interacts with DLAT, and is part of the multimeric pyruvate dehydrogenase complex that contains multiple copies of pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (DLAT, E2) and lipoamide dehydrogenase (DLD, E3) (PubMed:14638692). These subunits are bound to an inner core composed of about 48 DLAT and 12 PDHX molecules (PubMed:14638692). Interacts with DLAT (PubMed:20160912).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156564403
NCBI GeneID	5162
NCBI Accession #	NP_000916.2
NCBI GenBank Nucleotide #	NM_000925.3
UniProt Accession #	P11177; Q6FH45; Q9BQ27; Q9UFK3; B2R7L0; B4DDD7
Molecular Weight	Observed: 34 kDa Predicted: 40 kDa
NCBI Official Full Name	pyruvate dehydrogenase E1 component subunit beta, mitochondrial isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase E1 beta subunit
NCBI Official Symbol	PDHB
NCBI Official Synonym Symbols	PDHBD; PHE1B; PDHE1B; PDHE1-B
NCBI Protein Information	pyruvate dehydrogenase E1 component subunit beta, mitochondrial
UniProt Protein Name	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial
UniProt Gene Name	PDHB
UniProt Synonym Gene Names	PHE1B; PDHE1-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.