

Rabbit anti-Human PDX1 Polyclonal Antibody | anti-PDHX antibody

PDX1 Antibody (C-term)

CATALOG # AAA285399	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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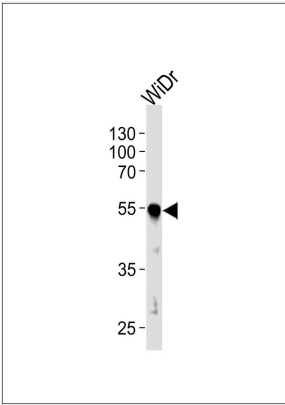
PRODUCT SYNONYMS

PDX1; Polyclonal Antibody; PDX1 Antibody (C-term); Pyruvate dehydrogenase protein X component; mitochondrial; Dihydrolipoamide dehydrogenase-binding protein of pyruvate dehydrogenase complex; E3-binding protein; E3BP; Lipoyl-containing pyruvate dehydrogenase complex component X; proX; PDHX; anti-PDHX antibody

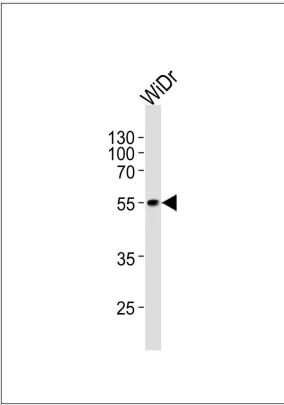
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 429-459 amino acids from the C-terminal region of human PDX1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.6 (varies by lot)
Sequence Positions	429-459
Sequence Length	486
Applicable Applications for anti-PDHX antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysate from WiDr cell line, using hPDX1R444. AAA285399 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysate from WiDr cell line, using hPDX1R444. AAA285399 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-PDHX antibody	PDX1, located in the mitochondrial matrix, is required for anchoring dihydrolipoamide dehydrogenase (E3) to the dihydrolipoamide transacetylase (E2) core of the pyruvate dehydrogenase complexes of eukaryotes. This specific binding is essential for a functional PDH complex. Eukaryotic pyruvate dehydrogenase complexes are organized about a core consisting of the oligomeric dihydrolipoamide acetyl-transferase, around which are arranged multiple copies of pyruvate dehydrogenase, dihydrolipoamide dehydrogenase and protein X bound by noncovalent bonds. Defects in PDHX are a cause of lacticacidemia. PDX1 belongs to the 2-oxoacid dehydrogenase family and contains 1 lipoyl-binding domain.
Product Categories/Family for anti-PDHX antibody	Cancer; Metabolism; Signal Transduction
References	Ling, M., et al., Hum. Mol. Genet. 7(3):501-505 (1998). Harris, R.A., et al., J. Biol. Chem. 272(32):19746-19751 (1997). Murray, J., et al., FEBS Lett. 529 (2-3), 173-178 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	203098816
NCBI GeneID	8050
NCBI Accession #	NP_001128496.1; NP_001159630.1; NP_003468.2
NCBI GenBank Nucleotide #	NM_001135024.1
UniProt Accession #	O00330; O60221; Q96FV8; Q99783; B4DW62; D3DR11; E9PB14; E9PBP7
Molecular Weight	54122
NCBI Official Full Name	pyruvate dehydrogenase protein X component, mitochondrial isoform 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase complex, component X
NCBI Official Symbol	PDHX
NCBI Official Synonym Symbols	E3BP; OPDX; PDX1; proX; DLDBP
NCBI Protein Information	pyruvate dehydrogenase protein X component, mitochondrial
UniProt Protein Name	Pyruvate dehydrogenase protein X component, mitochondrial
UniProt Gene Name	PDHX
UniProt Synonym Gene Names	PDX1; E3BP

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdx1-antibody-western-blot-elisa/285399>