

— ABLYBIO, Help Your Research



PDHX Rabbit pAb

货号: **AYP15233**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IP
推荐浓度	WB: 1:500 - 1:2000 IP: 1:500 - 1:1000
理论分子量	29kDa/51kDa/54kDa
实测分子量	54kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	SW620,HepG2,U-251MG,MCF7,Mouse heart,Mouse testis,Mouse brain,Rat kidney,Rat heart
细胞定位	Mitochondrion matrix
纯化	Affinity purification

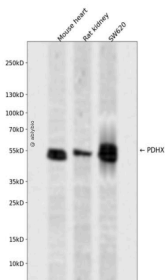
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PDHX (NP_003468.2).
------	--

靶点信息

研究背景	The pyruvate dehydrogenase (PDH) complex is located in the mitochondrial matrix and catalyzes the conversion of pyruvate to acetyl coenzyme A. The PDH complex thereby links glycolysis to Krebs cycle. The PDH complex contains three catalytic subunits, E1, E2, and E3, two regulatory subunits, E1 kinase and E1 phosphatase, and a non-catalytic subunit, E3 binding protein (E3BP). This gene encodes the E3 binding protein subunit; also known as component X of the pyruvate dehydrogenase complex. This protein tethers E3 dimers to the E2 core of the PDH complex. Defects in this gene are a cause of pyruvate dehydrogenase deficiency which results in neurological dysfunction and lactic acidosis in infancy and early childhood. This protein is also a minor antigen for antimitochondrial antibodies. These autoantibodies are present in early 95% of patients with the autoimmune liver disease primary biliary cirrhosis (PBC). In PBC, activated T lymphocytes attack and destroy epithelial cells in the bile duct where this protein is abnormally distributed and overexpressed. PBC eventually leads to cirrhosis and liver failure. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
基因ID	8050
基因名	PDHX
Swiss	O00330 (https://www.uniprot.org/uniprotkb/O00330/entry)
别名	PDHX,DLDBP,E3BP,OPDX,PDX1,proX,PDHX Rabbit pAb,Dihydrolipoamide dehydrogenase-binding protein of pyruvate dehydrogenase complex,E3-binding protein,Lipoyl-containing pyruvate dehydrogenase complex component X

产品验证



Western blot analysis of PDHX expressed in Mouse heart,Rat kidney,SW620 using PDHX Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

访问官网浏览详情: www.ablybio.cn (<https://www.ablybio.cn/www.ablybio.cn>)