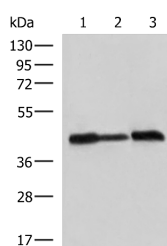


## PDHA1 Polyclonal Antibody

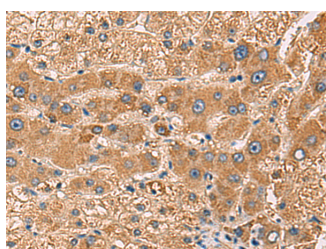
<b>Catalog No.</b>	E-AB-52930	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western blot analysis of A549 HeLa and HepG2 cell lysates using PDHA1 Polyclonal Antibody at dilution of 1:750



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using PDHA1 Polyclonal Antibody at dilution of 1:50(×200)

### Immunogen Information

<b>Immunogen</b>	Fusion protein of human PDHA1
<b>Gene Accession</b>	BC002406
<b>Swissprot</b>	P08559
<b>Synonyms</b>	ODPA,PDH,PDHA,PDHA1,PDHCE1A,PDHE1 A type I,PDHE1-A type I,PHE1A

### Product Information

<b>Calculated MW</b>	43 kDa
<b>Observed MW</b>	Refer to figures
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	WB 1:1000-1:5000, IHC 1:50-1:300, ELISA 1:5000-1:10000

### Background

PDHA1(Pyruvate dehydrogenase E1 component subunit alpha,somatic form,mitochondrial) is also named as PHE1A.It is one of the 3 enzymes of the pyruvate dehydrogenase complex which is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA.It has 4 isoforms produced by alternative splicing.Defects in PDHA1 are a cause of pyruvate dehydrogenase E1-alpha deficiency (PDHAD) and X-linked Leigh syndrome (X-LS).

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.