

**PDHA1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51420**

**Specification**

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**PDHA1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P08559</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>43 KDa</b>
Antigen Region	<b>291 - 350</b>

**PDHA1 Antibody - Additional Information**

**Gene ID** 5160

**Other Names**

Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial, PDHE1-A type I, PDHA1, PHE1A

**Target/Specificity**

KLH conjugated synthetic peptide derived from human PDHA1

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**PDHA1 Antibody - Protein Information**

**Name** PDHA1

**Synonyms** PHE1A

**Function**

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links the glycolytic pathway to the tricarboxylic cycle.

**Cellular Location**

Mitochondrion matrix.

**Tissue Location**

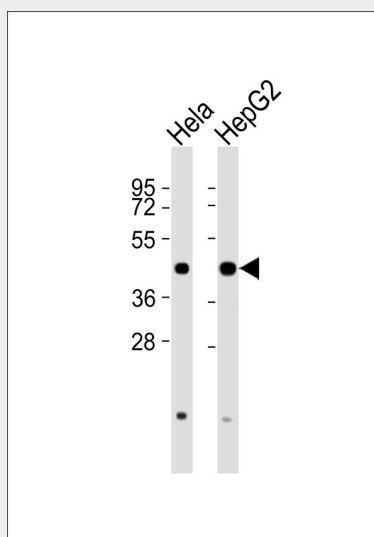
Ubiquitous.

### PDHA1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PDHA1 Antibody - Images



All lanes : Anti-PDHA1 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### PDHA1 Antibody - Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO<sub>2</sub>, and thereby links the glycolytic pathway to the tricarboxylic cycle.

### PDHA1 Antibody - References

- Koike K., et al. Gene 93:307-311(1990).  
Ho L., et al. Proc. Natl. Acad. Sci. U.S.A. 86:5330-5334(1989).  
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Dahl H.-H.M., et al. J. Biol. Chem. 262:7398-7403(1987).  
Maragos C., et al. J. Biol. Chem. 264:12294-12298(1989).