

**PDHA1 Antibody**  
**Rabbit mAb**  
**Catalog # AP91087****Specification**

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**PDHA1 Antibody - Product Information**

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">P08559</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
Pyruvate dehydrogenase E1 component subunit alpha, somatic form; mitochondrial; PDHE1-A type I; PDHA1; PHE1A;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43296 Da

**PDHA1 Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PDHA1
Description	The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). Catalyzes the removal of CO <sub>2</sub> from pyruvate. Mutations in the $\alpha$ subunits of pyruvate dehydrogenase (E1) lead to congenital defects that are usually associated with lactic acidosis, neurodegeneration and early death.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**PDHA1 Antibody - Protein Information****Name** PDHA1**Synonyms** PHE1A**Function**

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.

**Cellular Location**

Mitochondrion matrix.

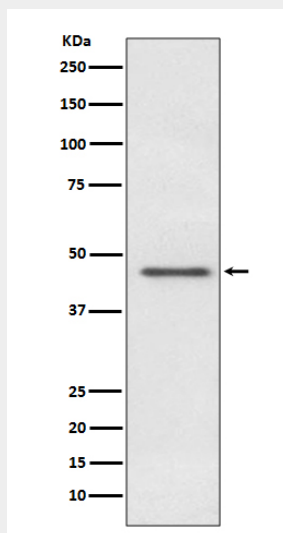
**Tissue Location**

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**

Western blot analysis of PDHA1 expression in HeLa cell lysate.