

PDHA1 Antibody

Rabbit mAb Catalog # AP91087

### Specification

# PDHA1 Antibody - Product Information

ApplicationWB, IHC, FC, ICC, IPPrimary AccessionP08559ReactivityRatClonalityMonoclonalOther NamesPyruvate dehydrogenase E1 component subunit alpha, somatic form; mitochondrial; PDHE1-A typeI; PDHA1; PHE1A;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43296 Da

#### PDHA1 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A
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 CO2 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(2), and thereby links the glycolytic pathway to the tricarboxylic cycle.

**Cellular Location** Mitochondrion matrix.

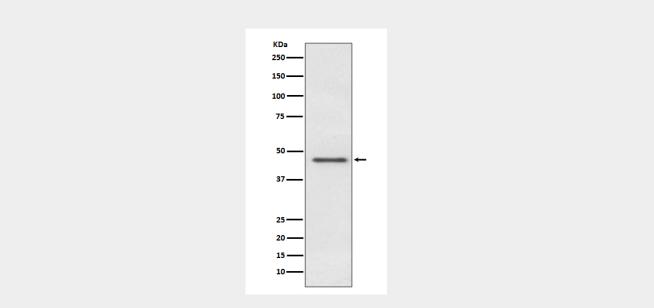
**Tissue Location** Ubiquitous.

#### **PDHA1 Antibody - Protocols**

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### **PDHA1 Antibody - Images**



Western blot analysis of PDHA1 expression in HeLa cell lysate.