

**pyruvate dehydrogenase (lipoamide) alpha 1 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52670**

## Specification

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### pyruvate dehydrogenase (lipoamide) alpha 1 Antibody - Product Information

Application	WB, ICC
Primary Accession	<a href="#">P08559</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43 KDa

### pyruvate dehydrogenase (lipoamide) alpha 1 Antibody - Additional Information

**Gene ID** 5160

#### Other Names

mitochondrial;ODPA\_HUMAN;PDH;PDHA;PDHA1;PDHCE1A;PDHE1 A type I;PDHE1-A type I;PHE1A; Pyruvate Dehydrogenase (lipoamide) alpha 1;Pyruvate dehydrogenase complex, E1 alpha polypeptide 1;Pyruvate Dehydrogenase E1 alpha;Pyruvate dehydrogenase E1 component subunit alpha;Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial;somatic form.

#### Dilution

WB~~1:1000  
ICC~~1:100

#### Format

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

#### Storage

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

### pyruvate dehydrogenase (lipoamide) alpha 1 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

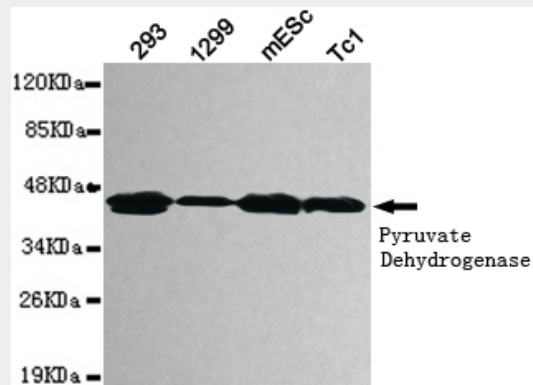
Ubiquitous.

## pyruvate dehydrogenase (lipoamide) alpha 1 Antibody - Protocols

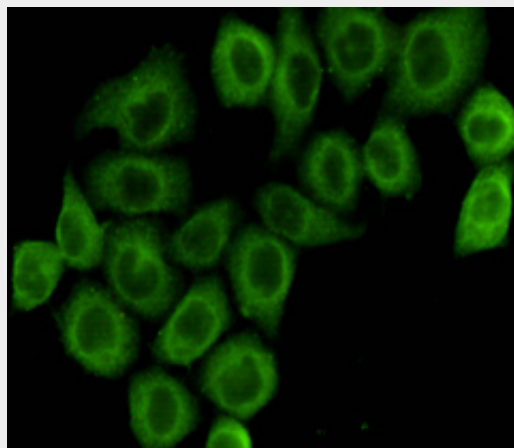
Provided below are standard protocols that you may find useful for product applications.

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

## pyruvate dehydrogenase (lipoamide) alpha 1 Antibody - Images



Western blot detection of pyruvate dehydrogenase (lipoamide) alpha 1 in 293,1299,mESC and Tc1 cell lysates using pyruvate dehydrogenase (lipoamide) alpha 1 mouse mAb (1:1000 diluted). Predicted band size: 43KDa. Observed band size: 43KDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-pyruvate dehydrogenase (lipoamide) alpha 1 mouse mAb(dilution 1:100).

## pyruvate dehydrogenase (lipoamide) alpha 1 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.

#### **pyruvate dehydrogenase (lipoamide) alpha 1 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).  
Huh T.L., et al. Submitted (APR-1990) to the EMBL/GenBank/DDBJ databases.  
Dahl H.-H.M., et al. J. Biol. Chem. 262:7398-7403(1987).  
Maragos C., et al. J. Biol. Chem. 264:12294-12298(1989).