

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

Specification

pyruvate dehydrogenase (lipoamide) alpha 1 Antibody - Product Information

Application	WB, ICC
Primary Accession	P08559
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

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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.

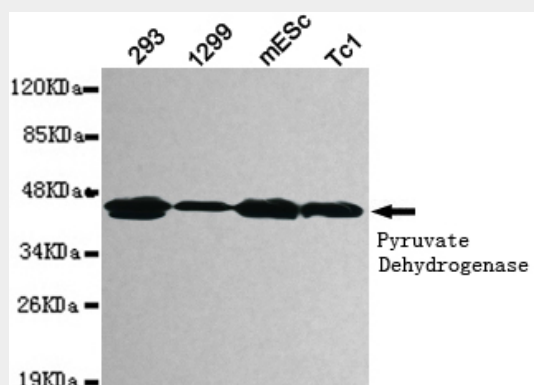
Tissue Location

Ubiquitous.

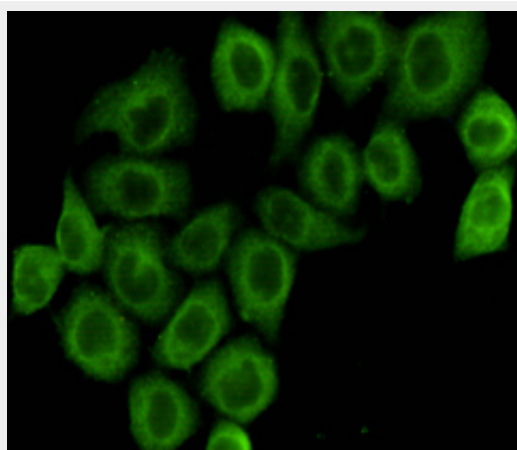
pyruvate dehydrogenase (lipoamide) alpha 1 Antibody - Protocols

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 CO₂), 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).
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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).