

pyruvate dehydrogenase (lipoamide) alpha 1 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52670

Product Information

Application	WB, ICC
Primary Accession	P08559
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43296

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.

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.

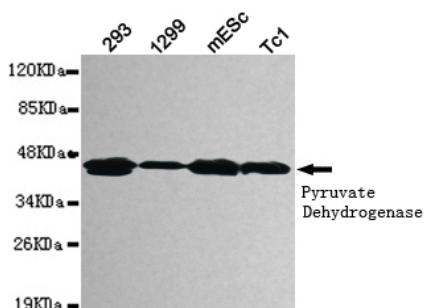
Background

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.

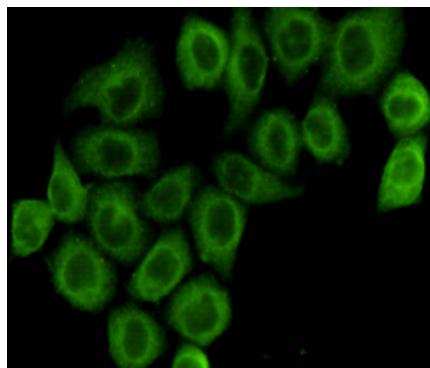
References

- 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).

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).

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