

**Product Name: Pyruvate Dehydrogenase E1 alpha (3H2)
Mouse Monoclonal Antibody
Catalog #: AMM03428**

Summary

Production Name	Pyruvate Dehydrogenase E1 alpha (3H2) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	PDHA1 mitochondrial; ODP_A_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.
Alternative Names	
Gene ID	5160
SwissProt ID	P08559

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200
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Molecular Weight

Calculated MW: 43 kDa; Observed MW: 43 kDa

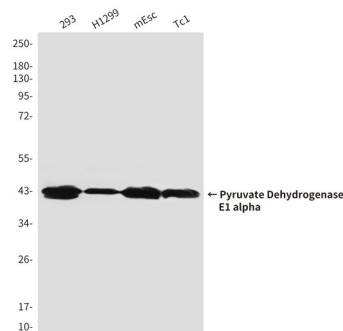
Background

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 α subunits of pyruvate dehydrogenase (E1) lead to congenital defects that are usually associated with lactic acidosis, neurodegeneration and early death.

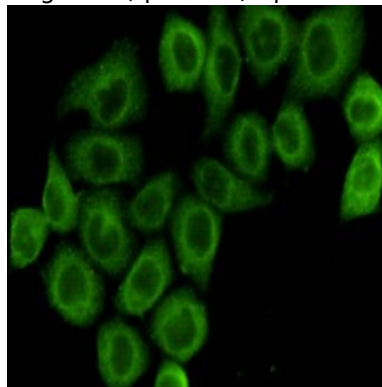
Research Area

Signal Transduction

Image Data



Western blot analysis of pyruvate dehydrogenase (lipoamide) alpha 1 in 293, 1299, mEsc and Tc1 lysates using pyruvate dehydrogenase (lipoamide) alpha 1 antibody.



Immunocytochemistry analysis of Pyruvate Dehydrogenase E1 alpha (3H2) in HeLa using pyruvate dehydrogenase (lipoamide) alpha 1 antibody.

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Note

For research use only.