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

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 43 kDa

Antigen Information

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
Immunogen	A synthetic peptide corresponding to target protein

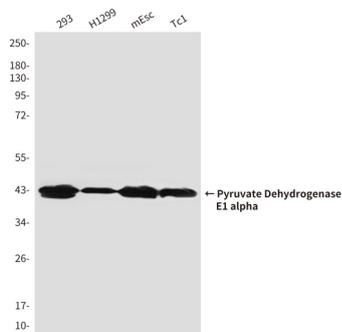
Background

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.

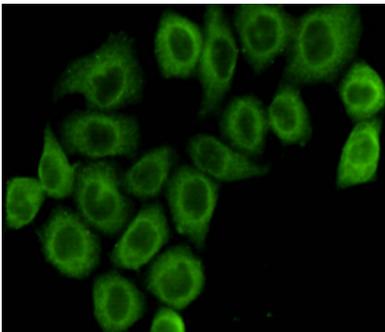
Research Area

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.