

Product Name: PDHA1 (8D7) Rabbit Monoclonal Antibody
Catalog #: AMRe15910

Summary

Production Name	PDHA1 (8D7) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	PDHA1
Alternative Names	Pyruvate dehydrogenase E1 component subunit alpha, somatic form; mitochondrial; PDHE1-A type I; PDHA1; PHE1A;
Gene ID	5160.0
SwissProt ID	P08559.A synthetic peptide of human Pyruvate Dehydrogenase E1-alpha subunit

Application

Dilution Ratio	WB: 1:1000-1:2000
Molecular Weight	43kDa

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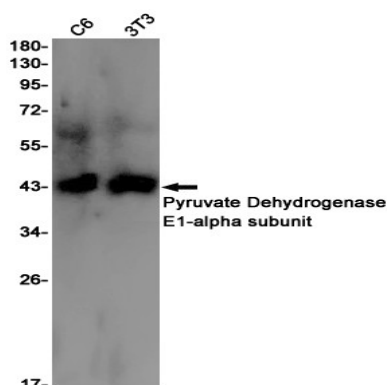


Background

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. 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.

Research Area

Image Data



Western blot detection of Pyruvate Dehydrogenase E1-alpha subunit in C6,3T3 cell lysates using Pyruvate Dehydrogenase E1-alpha subunit antibody(1:1000 diluted).

Note

For research use only.