

Product Name: Pyruvate Dehydrogenase E1 alpha Rabbit Monoclonal antibody
Catalog #: AMRe03791

Summary

Production Name	Pyruvate Dehydrogenase E1 alpha Rabbit Monoclonal antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, ICC/IF, IP
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
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	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Immunogen

Gene Name	PDHA1 mitochondrial; ODP4_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.

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Dilution Ratio	WB 1:500-1:1000, ICC/IF 1:50-1:200, IP 1:20-1:50
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 43 kDa

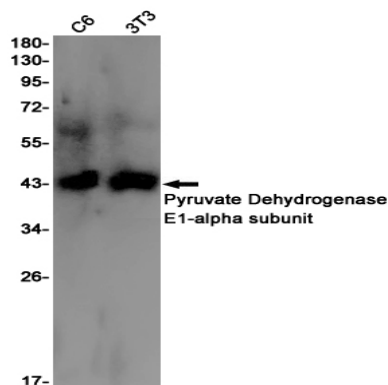
Background

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.

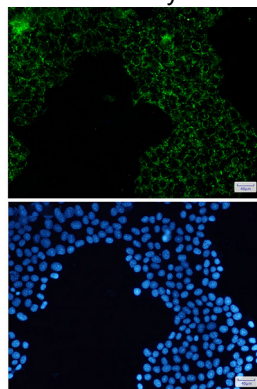
Research Area

Signal Transduction

Image Data



Western blot analysis of Pyruvate Dehydrogenase E1alpha subunit in C6, 3T3 lysates using Pyruvate Dehydrogenase E1 alpha antibody.



Immunocytochemistry analysis of Pyruvate Dehydrogenase E1alpha subunit(green) in HeLa using Pyruvate Dehydrogenase E1alpha subunit antibody, and DAPI(blue)



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Note

For research use only.