

Product Name: Pyruvate Dehydrogenase E1 alpha Rabbit Polyclonal Antibody
Catalog #: APRab00154

Summary

Production Name	Pyruvate Dehydrogenase E1 alpha Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,ICC,IF,FC,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	PDHA1 mitochondrial; ODPD_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 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20 FC: 1:50-1:100
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Molecular Weight

Calculated MW: 43 kDa; Observed MW: 43 kDa

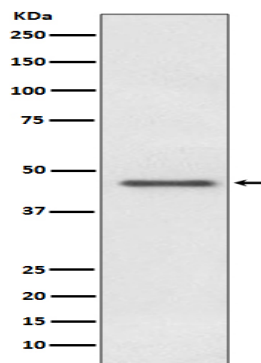
Background

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 PDHA1 in HeLa lysates using Pyruvate Dehydrogenase E1 alpha antibody.

Note

For research use only.