

Pyruvate Dehydrogenase E1-alpha subunit Rabbit pAb

db2984

Package : 20µL 50µL 100µL

Product Name : Pyruvate Dehydrogenase E1-alpha subunit Rabbit pAb**Cat.No.:** db2984**Synonyms** : PDHA; PDHAD; PHE1A; PDHCE1A**Application** : WB, IHC, ICC/IF, FC, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 alpha 1 subunit containing the E1 active site, and plays a key role in the function of the PDH complex. Mutations in this gene are associated with pyruvate dehydrogenase E1-alpha deficiency and X-linked Leigh syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]

Immunogen

A synthetic peptide of human Pyruvate Dehydrogenase E1-alpha subunit

Gene ID

5160

Swiss Prot

P08559

Synonyms

PDHA; PDHAD; PHE1A; PDHCE1A

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:2000

IHC: 1:20-1:100

ICC/IF: 1:20-1:100

FC: 1:20

IP: 1:20-1:50

Calculated MW

43 kDa

Observed MW

43 kDa

Host species

Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

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