

Recombinant PDHA1 Monoclonal Antibody

catalog number: **AN301808L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

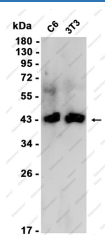
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human Pyruvate Dehydrogenase E1-alpha subunit
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111430
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:5000
IHC-P	1:100-1:200
ICC/IF	1:100-1:500
IP	1:10-1:100
FCM	1:10-1:100

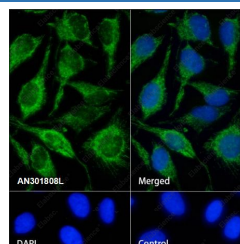
Data



Western blot analysis of C6 and 3T3 cell lysates using PDHA1 Antibody (AN301808L) at a dilution of 1:1000.

Observed-MW:43 kDa

Calculated-MW: 43 kDa



Immunofluorescence analysis of HeLa cells using PDHA1 Antibody(AN301808L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

PDHA1, also named as PHE1A, is one of the 3 enzymes of the pyruvate dehydrogenase complex. It is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA. Defects in PDHA1 are a cause of pyruvate dehydrogenase E1-alpha deficiency (PDHAD) and X-linked Leigh syndrome (X-LS).

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