

A Reliable Research Partner in Life Science and Medicine

Recombinant Pyruvate Dehydrogenase E1 α Monoclonal Antibody

catalog number: AN301007L

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

Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human Pyruvate Dehydrogenase E1 α protein

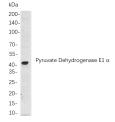
HostRabbitIsotype IgG,κ CloneB758PurificationProtein A

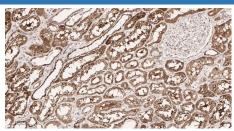
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

IHC 1:200-1:1000 **WB** 1:1000-1:5000

Data

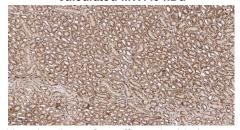




Western Blot with Recombinant Pyruvate Dehydrogenase Immunohistochemistry of paraffin-embedded human kidney E1 α Monoclonal Antibody at dilution of 1:1000 dilution. Lane tissue using Recombinant Pyruvate Dehydrogenase E1 α

A: HEK293 cells. Monoclonal Antibody at dilution of 1:200.

Observed-MW:43 kDa Calculated-MW:43 kDa



Immunohistochemistry of paraffin-embedded mouse kidney tissue using Recombinant Pyruvate Dehydrogenase E1 α Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

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

Shipping lce bag

Background

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com

Elabscience®

Elabscience Bionovation Inc.

A Reliable Research Partner in Life Science and Medicine

The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), 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.

For Research Use Only