

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10)
Mouse Monoclonal Antibody
Catalog # ABV12053**Specification**

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) - Product Information

Application	WB, IF, IP
Primary Accession	P10515
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) - Additional Information**Gene ID 1737**

Application & Usage	WB: Jurkat, A549, U251, F9, Lncap and Hela cell lysates,
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Other Names

70 kDa mitochondrial autoantigen of primary biliary cirrhosis, PBC, Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex, M2 antigen complex 70 kDa subunit, Pyruvate dehydrogenase complex component E2

Target/Specificity

Pyruvate Dehydrogenase E2

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

In buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) - Protein Information

Name DLAT ([HGNC:2896](#))

Synonyms DLTA

Function

As part of the pyruvate dehydrogenase complex, catalyzes the transfers of an acetyl group to a lipoic acid moiety (Probable). The pyruvate dehydrogenase complex, catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and thereby links cytoplasmic glycolysis and the mitochondrial tricarboxylic acid (TCA) cycle (Probable).

Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:P08461}

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) - Images

Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) - Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and thereby links the glycolytic pathway to the tricarboxylic cycle