

Anti-Pyruvate Dehydrogenase E2 antibody ab66511

★★★★★ [1 Abreviews](#) [7 References](#) [画像数 4](#)

製品の概要

製品名	Anti-Pyruvate Dehydrogenase E2 antibody
製品の詳細	Rabbit polyclonal to Pyruvate Dehydrogenase E2
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Rat, Dog, Human 交差が予測される動物種: Rabbit, Horse, Guinea pig, Cow, Cat, Pig, Zebrafish 
免疫原	Synthetic peptide: LLQLLGSPGR RYYSLPPHQK VPLPSLSPTM QAGTIARWEK KEGDKINEGD, corresponding to a region within N terminal amino acids 74-123 of Human Pyruvate Dehydrogenase E2 Run BLAST with ExPASy Run BLAST with NCBI

特記事項

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

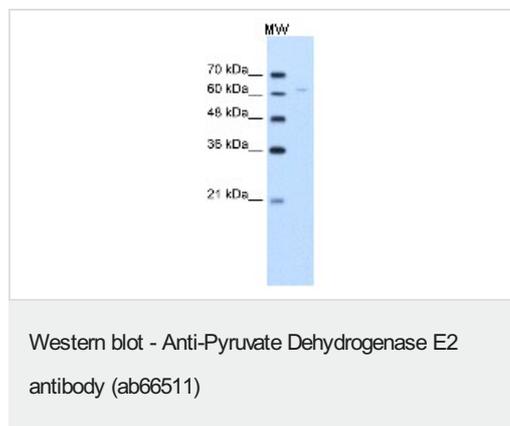
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab66511の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use a concentration of 5 µg/ml. Detects a band of approximately 63 kDa (predicted molecular weight: 66 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-P		Use a concentration of 4 - 8 µg/ml.

ターゲット情報

機能	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO ₂ . It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).
関連疾患	Note=Primary biliary cirrhosis is a chronic, progressive cholestatic liver disease characterized by the presence of antimitochondrial autoantibodies in patients' serum. It manifests with inflammatory obliteration of intra-hepatic bile duct, leading to liver cell damage and cirrhosis. Patients with primary biliary cirrhosis show autoantibodies against the E2 component of pyruvate dehydrogenase complex. Defects in DLAT are the cause of pyruvate dehydrogenase E2 deficiency (PDHE2 deficiency) [MIM:245348]; also known as lactic acidemia due to defect of E2 lipoyl transacetylase of the pyruvate dehydrogenase complex. Pyruvate dehydrogenase (PDH) deficiency is a major cause of primary lactic acidosis and neurological dysfunction in infancy and early childhood. In this form of PDH deficiency episodic dystonia is the major neurological manifestation, with other more common features of pyruvate dehydrogenase deficiency, such as hypotonia and ataxia, being less prominent.
配列類似性	Belongs to the 2-oxoacid dehydrogenase family. Contains 2 lipoyl-binding domains.
細胞内局在	Mitochondrion matrix.

画像



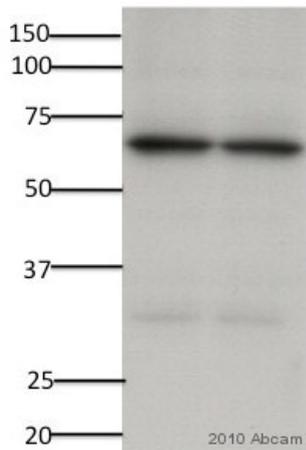
Anti-Pyruvate Dehydrogenase E2 antibody (ab66511) at 5 µg/ml +
Jurkat cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 66 kDa

Observed band size: 63 kDa



Western blot - Anti-Pyruvate Dehydrogenase E2 antibody (ab66511)

This image is courtesy of an anonymous Abreview

All lanes : Anti-Pyruvate Dehydrogenase E2 antibody (ab66511) at 1/2500 dilution (For 16 hours in blocking solution.)

All lanes : Mouse adipocyte whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab6721](#)) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 66 kDa

Observed band size: 63 kDa

Additional bands at: 30 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 5 seconds

Blocking Step: 5% Milk for 1 hour at 25°C.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pyruvate Dehydrogenase E2 antibody (ab66511)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling Pyruvate Dehydrogenase E2 with ab66511 at 4-8µg/ml. Arrows indicate positively labelled epithelial cells of the renal tubule. Magnification: 400X.



Western blot - Anti-Pyruvate Dehydrogenase E2 antibody (ab66511)

Anti-Pyruvate Dehydrogenase E2 antibody (ab66511) at 1/200 dilution + Huh7 cell lysate at 50 µg

Predicted band size: 66 kDa

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