abcam

Product datasheet

Anti-SDHA antibody ab137756

1 References 画像数 2

医薬用外劇物

製品の概要

製品名	Anti-SDHA antibody
製品の詳細	Rabbit polyclonal to SDHA
由来種	Rabbit
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Cow, Drosophila melanogaster
免疫原	Recombinant fragment, corresponding to a region within amino acids 12-234 of Human SDHA (UniProt ID: P31040).
ポジティブ・コントロール	Molt4, Raji and mouse brain cell lysates
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity 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ab137756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		1/500 - 1/3000. Predicted molecular weight: 73 kDa.

ターゲット情報

機能

Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).

パスウェイ

Carbohydrate metabolism; tricarboxylic acid cycle; fumarate from succinate (eukaryal route): step 1/1.

関連疾患

Defects in SDHA are a cause of mitochondrial complex II deficiency (MT-C2D) [MIM:252011]. A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations. Clinical features include psychomotor regression in infants, poor growth with lack of speech development, severe spastic quadriplegia, dystonia, progressive leukoencephalopathy, muscle weakness, exercise intolerance, cardiomyopathy. Some patients manifest Leigh syndrome or Kearns-Sayre syndrome.
Defects in SDHA are a cause of Leigh syndrome (LS) [MIM:256000]. LS is a severe disorder characterized by bilaterally symmetrical necrotic lesions in subcortical brain regions.
Defects in SDHA are the cause of cardiomyopathy dilated type 1GG (CMD1GG) [MIM:613642]. CMD1GG is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

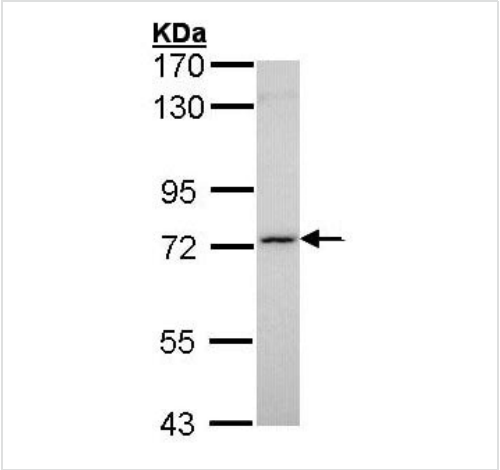
配列類似性

Belongs to the FAD-dependent oxidoreductase 2 family. FRD/SDH subfamily.

細胞内局在

Mitochondrion inner membrane.

画像

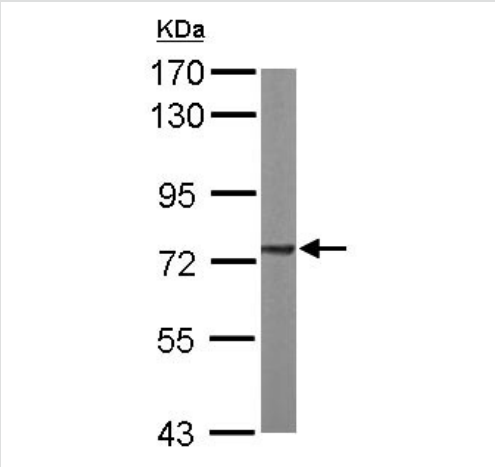


Western blot - Anti-SDHA antibody (ab137756)

Anti-SDHA antibody (ab137756) at 1/1000 dilution + Molt4 cell lysate at 30 µg

Predicted band size: 73 kDa

7.5% SDS PAGE



Western blot - Anti-SDHA antibody (ab137756)

Anti-SDHA antibody (ab137756) at 1/1000 dilution + mouse brain cell lysate at 50 µg

Predicted band size: 73 kDa

7.5% SDS PAGE

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