

Product datasheet

Anti-NDUFV1 antibody ab55535

2 References 画像数 2

製品の概要

製品名	Anti-NDUFV1 antibody
製品の詳細	Mouse monoclonal to NDUFV1
由来種	Mouse
アプリケーション	適用あり: WB, Flow Cyt
種交差性	交差種: Human
免疫原	Recombinant fragment: KAIARLIEFYKHESCGQCTP CREGVDWMNK VMARFVRGDA RPAEIDSLWE ISKQIEGHTI CALGDGAAWP VQGLIRHFRP ELEERMQRFA QQHQARQAAS , corresponding to amino acids 365-465 of Human NDUFV1 Run BLAST with ExPASy Run BLAST with NCBI

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	Preservative: None PBS, pH 7.2
精製度	Protein G purified
ポリモノ	モノクローナル
アイソタイプ	IgG2b
軽鎖の種類	kappa

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab55535** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

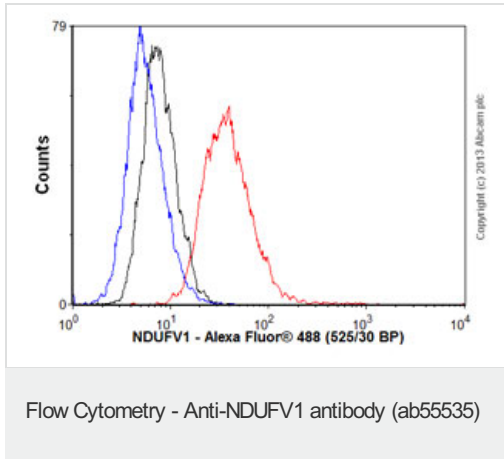
アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 51 kDa.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 0.1µg for 10 ⁶ cells. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

ターゲット情報

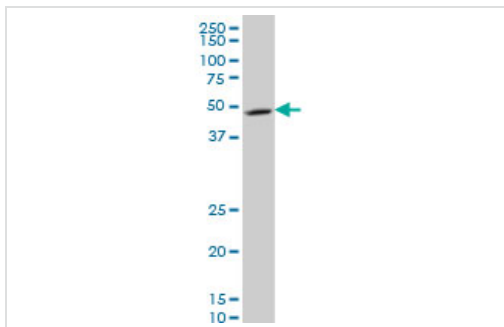
機能	<p>Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.</p>
関連疾患	<p>Defects in NDUFV1 are a cause of Leigh syndrome (LS) [MIM:256000]. LS is a severe neurological disorder characterized by bilaterally symmetrical necrotic lesions in subcortical brain regions.</p> <p>Defects in NDUFV1 are a cause of mitochondrial complex I deficiency (MT-C1D) [MIM:252010]. A disorder of the mitochondrial respiratory chain that causes a wide range of clinical disorders, from lethal neonatal disease to adult-onset neurodegenerative disorders. Phenotypes include macrocephaly with progressive leukodystrophy, non-specific encephalopathy, cardiomyopathy, myopathy, liver disease, Leigh syndrome, Leber hereditary optic neuropathy, and some forms of Parkinson disease.</p>
配列類似性	<p>Belongs to the complex I 51 kDa subunit family.</p>
細胞内局在	<p>Mitochondrion inner membrane.</p>

画像



Flow Cytometry - Anti-NDUFV1 antibody (ab55535)

Overlay histogram showing HepG2 cells stained with ab55535 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab55535, 0.1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (ab150113) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (ab91366, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HepG2 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Western blot - Anti-NDUFV1 antibody (ab55535)

NDUFV1 antibody (ab55535) at 1ug/lane + A-431 cell lysate at 25ug/lane.

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