


Anti-NDUFB10 antibody [EPR16230-47] ab196019

重组 RabMAb

★★★★★ **1 Abreviews** **8 References** **6 图像**

概述

产品名称	Anti-NDUFB10抗体[EPR16230-47]
描述	兔单克隆抗体[EPR16230-47] to NDUFB10
宿主	Rabbit
经测试应用	适用于: ICC/IF, IP, IHC-P, WB, Flow Cyt (Intra)
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HeLa, HepG2 and Jurkat cell lysates; Human transitional cell carcinoma of bladder tissue; HeLa cells; HeLa whole cell extract.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR16230-47

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab196019于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (1)	1/350.
IP		1/50.
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/10000. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
Flow Cyt (Intra)		1/800.

靶标

功能

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.

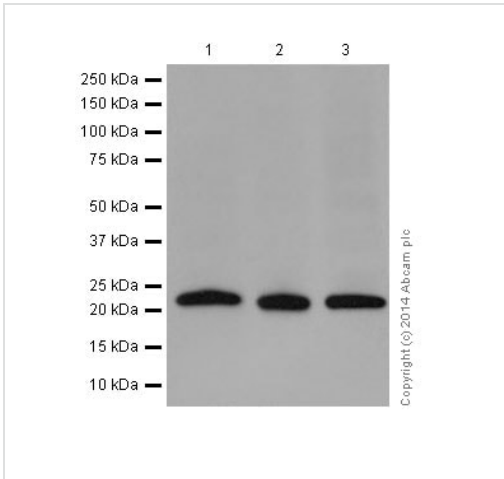
序列相似性

Belongs to the complex I NDUFB10 subunit family.

细胞定位

Mitochondrion inner membrane.

图片



Western blot - Anti-NDUFB10 antibody [EPR16230-47] (ab196019)

All lanes : Anti-NDUFB10 antibody [EPR16230-47] (ab196019) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) cell lysate

Lane 2 : HepG2 (Human liver hepatocellular carcinoma) cell lysate

Lane 3 : Jurkat (Human T cell leukemia cells from peripheral blood) cell lysate

Lysates/proteins at 20 µg per lane.

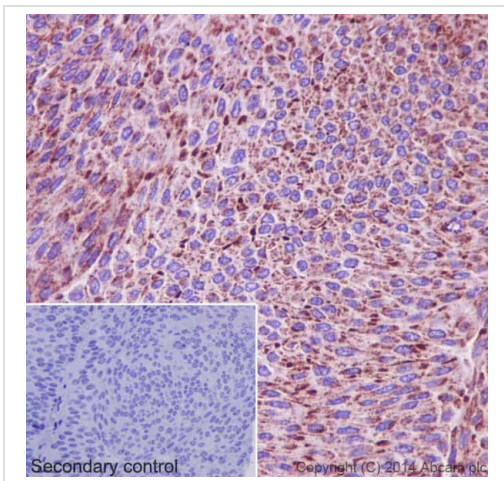
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

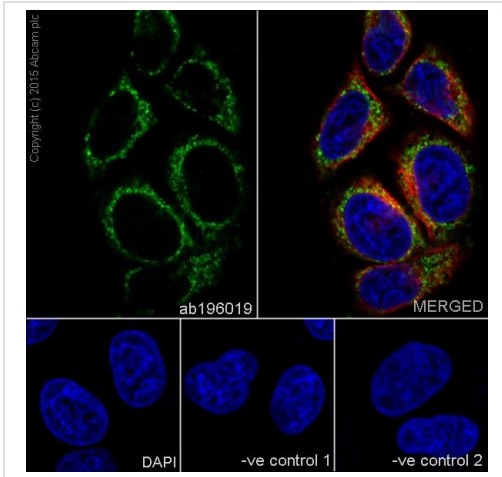


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFB10 antibody [EPR16230-47] (ab196019)

Immunohistochemical analysis of paraffin-embedded Human transitional cell carcinoma of bladder tissue labeling NDUF B10 with ab196019 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasm staining on Human transitional cell carcinoma of bladder tissue is observed. Counter stained with Hematoxylin.

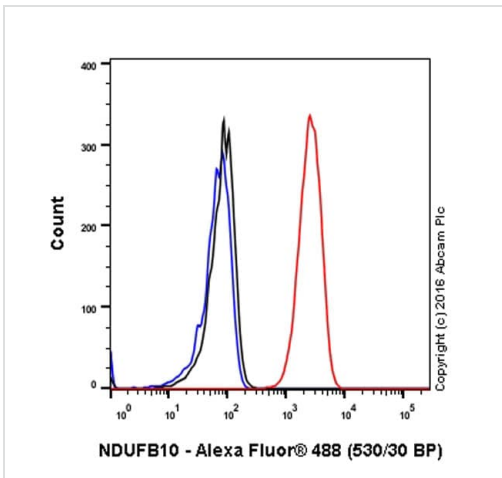
Secondary control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



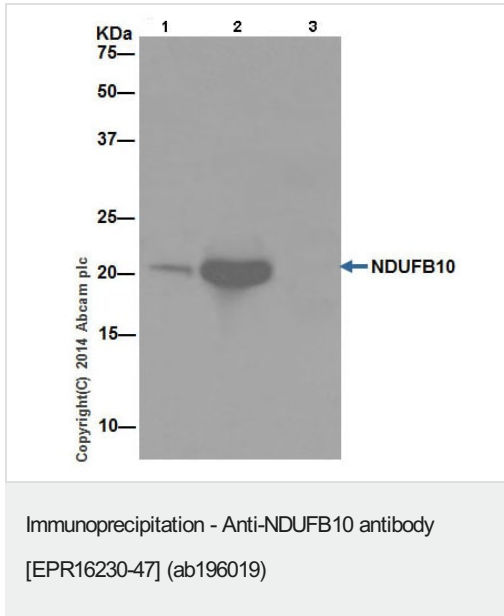
Immunocytochemistry/ Immunofluorescence - Anti-NDUFB10 antibody [EPR16230-47] (ab196019)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling NDUFB10 with ab196019 at 1/350 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Cytoplasm staining on HeLa cell line is observed. The nuclear counter stain is DAPI (blue).



Flow Cytometry (Intracellular) - Anti-NDUFB10 antibody [EPR16230-47] (ab196019)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labelling NDUFB10 (red) with purified ab196019 at a dilution of 1/800. The secondary antibody used was Alexa Fluor® 488 goat-anti-rabbit IgG (1/2000). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary and secondary antibody.



NDUFB10 was immunoprecipitated from HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell extract with ab196019 at 1/50 dilution. Western blot was performed from the immunoprecipitate using ab196019 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: HeLa whole cell extract 10 µg (Input). Lane 2: ab196019 IP in HeLa whole cell extract. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab196019 in HeLa whole cell extract. Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

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