

Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] ab205235

重组 RabMAb

7 图像

概述

产品名称	Anti-Mitofusin 2 + Mitofusin 1 抗体[EPR19792]
描述	兔单克隆抗体[EPR19792] to Mitofusin 2 + Mitofusin 1
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, IP
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human Mitofusin 2 and Mitofusin 1 recombinant protein fragments; Human fetal kidney and fetal liver lysates; HeLa whole cell lysate. ICC/IF: HeLa cells. Flow Cyt (intra): HeLa cells. IP: HeLa whole cell lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19792

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab205235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。

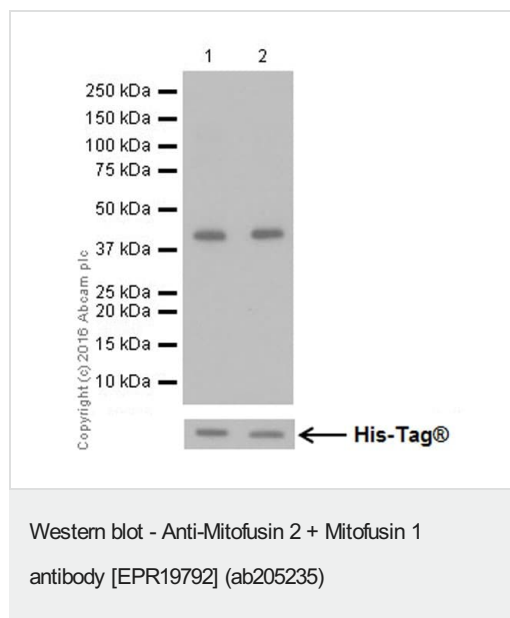
应用	Ab评论	说明
Flow Cyt (Intra)		1/50.
WB		1/2000. Detects a band of approximately 80 kDa (predicted molecular weight: 84, 86 kDa).
ICC/IF		1/500.
IP		1/40.

靶标

细胞定位

Mitofusin 2: Mitochondrion outer membrane. Colocalizes with BAX during apoptosis. Mitofusin 1: Cytoplasm and Mitochondrion outer membrane.

图片



All lanes : Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235) at 1/2000 dilution

Lane 1 : Human Mitofusin 2 recombinant protein fragment

Lane 2 : Human Mitofusin 1 recombinant protein fragment

Lysates/proteins at 0.01 µg per lane.

Secondary

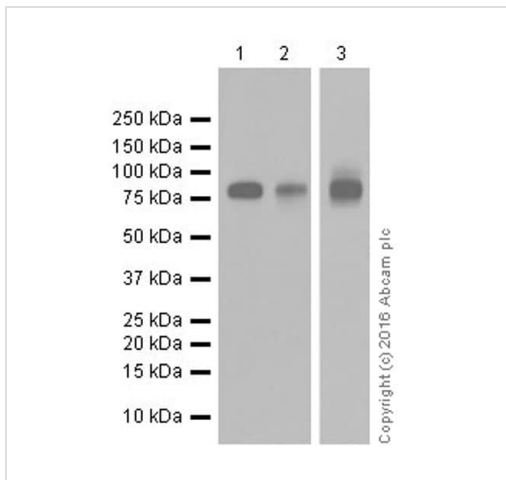
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 84, 86 kDa

Exposure time: 1 second

Blocking/Dilution buffer: 5% NFD/MTBST.

Human Mitofusin 2 recombinant protein fragment contains aa151-506 with a His-Tag®. Human Mitofusin 1 recombinant protein fragment contains aa130-485 with a His-Tag®.



Western blot - Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235)

All lanes : Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235) at 1/1000 dilution

Lane 1 : Human fetal kidney tissue lysate

Lane 2 : Human fetal liver tissue lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

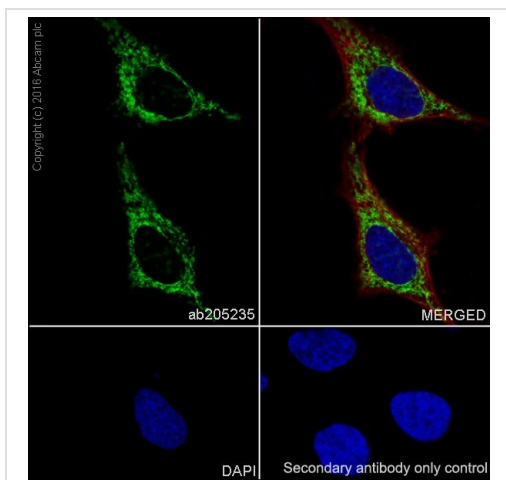
Predicted band size: 84, 86 kDa

Observed band size: 80 kDa

Blocking/Dilution buffer: 5% NFD/MTBST.

Exposure time: Lane 1 and 2: 15 seconds; Lane 3: 3 seconds.

The expression profile is consistent with the literature (PMID 14561718; PMID 25574749).

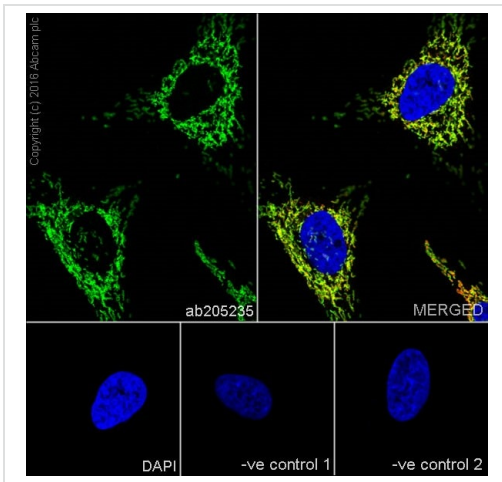


Immunocytochemistry/ Immunofluorescence - Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling Mitofusin 2 + Mitofusin 1 with ab205235 at 1/500 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on HeLa cells.

The nuclear counter stain is DAPI (blue). Tubulin is detected with [ab195889](#) (Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594)) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235)

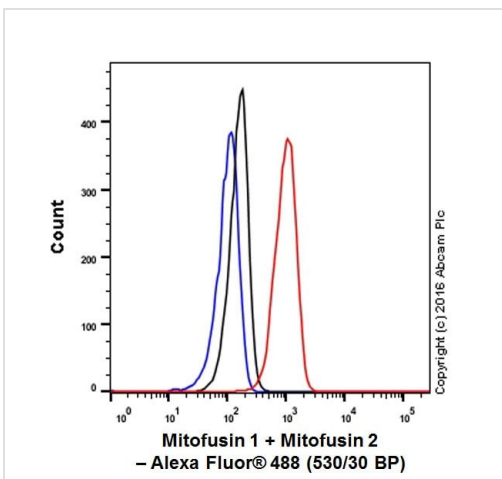
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling Mitofusin 2 + Mitofusin 1 with ab205235 at 1/500 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing mitochondrial staining on HeLa cells.

The nuclear counter stain is DAPI (blue). Cox IV is detected with **ab33985** (anti-Cox IV mouse mAb) at 1/1000 dilution followed by **ab150120** (Alexa Fluor® 594 Goat anti-Mouse secondary) at 1/1000 dilution (red).

The negative controls are as follows:

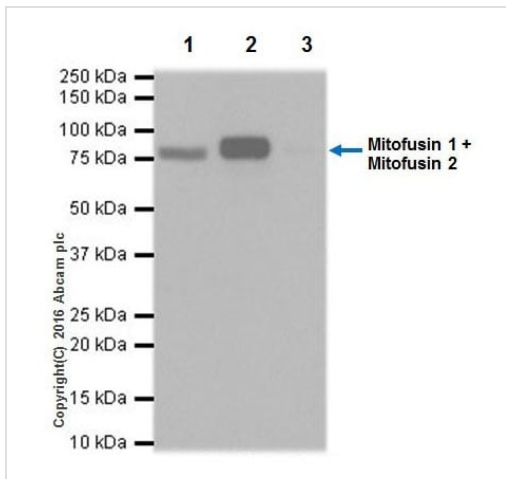
-ve control 1: ab205235 at 1/500 dilution followed by **ab150120** at 1/1000 dilution.

-ve control 2: **ab33985** at 1/1000 dilution followed by **ab150077** at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling Mitofusin 2 + Mitofusin 1 with ab205235 at 1/50 dilution (red) compared with aRabbit IgG, monoclonal [EPR25A]-Isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-Mitofusin 2 + Mitofusin 1 antibody [EPR19792] (ab205235)

Mitofusin 2 + Mitofusin 1 was immunoprecipitated from 0.35 mg of HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab205235 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab205235 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

Lane 1: HeLa whole cell lysate, 10 µg (Input).





Lane 2: ab205235 IP in HeLa whole cell lysate.

Lane 3: Rabbit IgG, monoclonal [EPR25A]-Isotype Control (**ab172730**) instead of ab205235 in HeLa whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDN/TBST.

Exposure time: 5 seconds.

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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