

Anti-mtTFA antibody [18G102B2E11] - Mitochondrial Marker ab119684

★★★★★ [1 Abreviews](#) [23 References](#) [4 图像](#)

概述

产品名称	Anti-mtTFA抗体[18G102B2E11] - Mitochondrial Marker
描述	小鼠单克隆抗体[18G102B2E11] to mtTFA - Mitochondrial Marker
宿主	Mouse
经测试应用	适用于: IHC-P, WB, Flow Cyt, ICC/IF
种属反应性	与反应: Human, Recombinant fragment 不与反应: Mouse, Rat
免疫原	Full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: human liver FFPE tissue sections
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
纯度	Ammonium Sulphate Precipitation
纯化说明	Purity is near homogeneity as judged by SDS-PAGE. ab119684 was produced in vitro using

	hybridomas grown in serum-free medium, and then concentrated by ammonium sulfate precipitation.
克隆	单克隆
克隆编号	18G102B2E11
同种型	IgG2b
轻链类型	kappa

应用

The Abpromise guarantee
Abpromise™承诺保证使用ab119684于以下的经测试应用

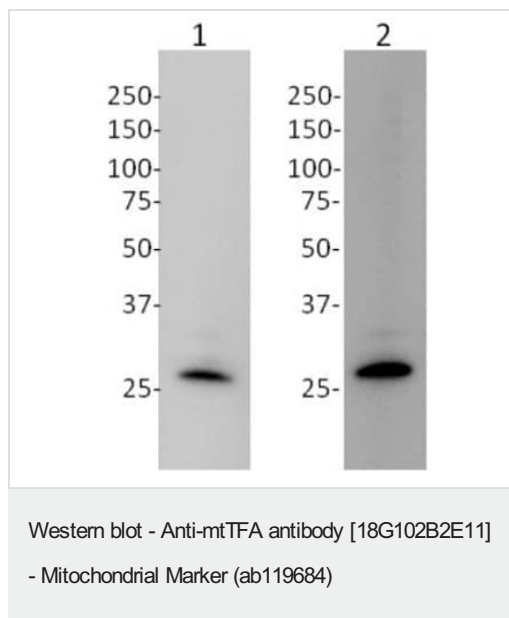
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Predicted molecular weight: 29 kDa.
Flow Cyt		Use a concentration of 1 µg/ml. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 1 µg/ml.

靶标

功能	Binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation. Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Promotes transcription initiation from the HSP1 and the light strand promoter by binding immediately upstream of transcriptional start sites. Is able to unwind and bend DNA. Required for maintenance of normal levels of mitochondrial DNA. May play a role in organizing and compacting mitochondrial DNA. target DNA. Interacts with TFB1M and TFB2M.
序列相似性	Contains 2 HMG box DNA-binding domains.
细胞定位	Mitochondrion.

图片



All lanes : Anti-mtTFA antibody [18G102B2E11] - Mitochondrial Marker (ab119684) at 1 µg/ml

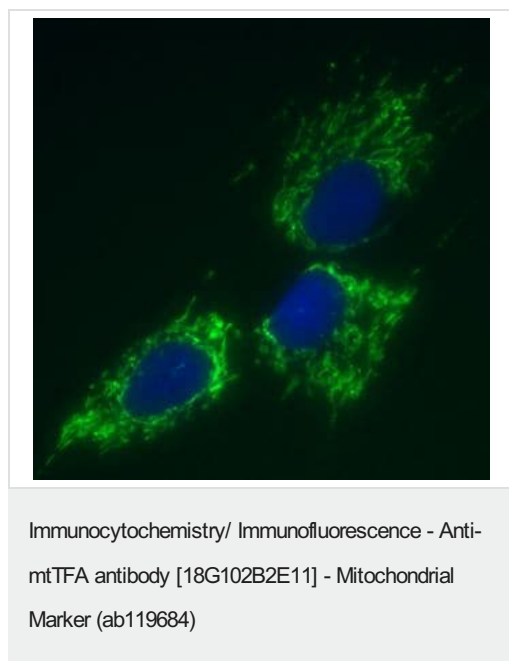
Lane 1 : recombinant mtTFA (**ab103784**) at 0.025 µg

Lane 2 : HeLa whole cell lysate at 30 µg

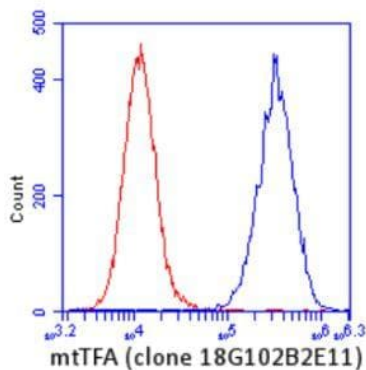
Secondary

All lanes : HRP-conjugated Goat polyclonal to mouse IgG at 1/5000 dilution

Predicted band size: 29 kDa

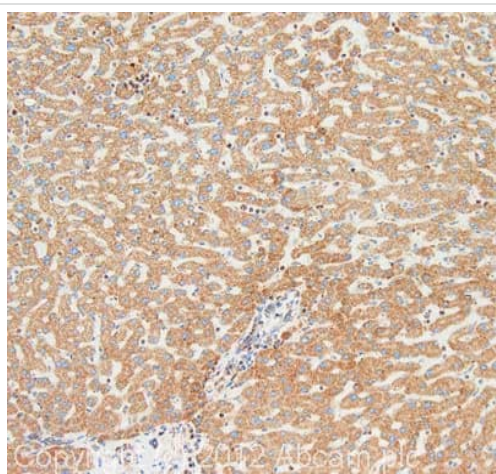


Immunocytochemistry image of ab119684 stained human HDFn cells. The cells were paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15min). The cells were incubated with the antibody (18G102B2E11, 1µg/ml) for 2h at room temperature. The secondary antibody was (green) 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. 10% Goat serum was used as the blocking agent for all blocking steps. DAPI was used to stain the cell nuclei (blue). mtTFA localizes to the mitochondria.



Flow Cytometry - Anti-mtTFA antibody
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HeLa cells were stained with 2 µg/mL mtTFA antibody (ab119684) (blue) or an equal amount of an isotype control antibody (red) and analyzed by flow cytometry.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-mtTFA antibody
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IHC image of mtTFA staining in human liver HCC formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab119684, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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