


Anti-Mitofusin 2 antibody ab50838

★★★★☆ [6 Abreviews](#) [49 References](#) [1 图像](#)

概述

| | |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品名称 | Anti-Mitofusin 2抗体 |
| 描述 | 兔多克隆抗体to Mitofusin 2 |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB |
| 种属反应性 | 与反应: Rat 预测可用于: Cynomolgus monkey, Orangutan  |
| 免疫原 | Synthetic peptide: KINGIFEQLGAYIQESAT with C-terminal added cysteine, conjugated to KLH, corresponding to N terminal amino acids 38-55 of Human Mitofusin 2 |

 [Run BLAST with](#)

 [Run BLAST with](#)

常规说明

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

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 or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS |
| 纯度 | Immunogen affinity purified |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab50838于以下的经测试应用

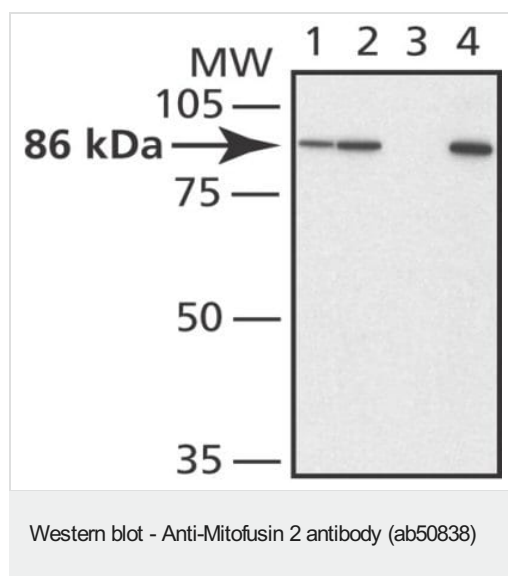
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|----|-----------|--------------------------------------------------------------------------------------------------------------------|
| WB | ★★★★☆ (5) | Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 86 kDa (predicted molecular weight: 86 kDa). |

靶标

| | |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 功能 | Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN2 acts independently of the cytoskeleton. It therefore plays a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes. Overexpression induces the formation of mitochondrial networks. Plays an important role in the regulation of vascular smooth muscle cell proliferation. Involved in the clearance of damaged mitochondria via selective autophagy (mitophagy). Is required for PARK2 recruitment to dysfunctional mitochondria. Involved in the control of unfolded protein response (UPR) upon ER stress including activation of apoptosis and autophagy during ER stress. Acts as an upstream regulator of EIF2AK3 and suppresses EIF2AK3 activation under basal conditions. |
| 组织特异性 | Ubiquitous; expressed at low level. Highly expressed in heart and kidney. |
| 疾病相关 | Charcot-Marie-Tooth disease 2A2 Neuropathy, hereditary motor and sensory, 6A |
| 序列相似性 | Belongs to the TRAFAC class dynamin-like GTPase superfamily. Dynamin/Fzo/YdjA family. Mitofusin subfamily. Contains 1 dynamin-type G (guanine nucleotide-binding) domain. |
| 翻译后修饰 | Phosphorylated by PINK1. Ubiquitinated by non-degradative ubiquitin by PARK2, promoting mitochondrial fusion; deubiquitination by USP30 inhibits mitochondrial fusion. |
| 细胞定位 | Mitochondrion outer membrane. Colocalizes with BAX during apoptosis. |

图片



Lane 1 : Anti-Mitofusin 2 antibody (ab50838) at 0.5 µg/ml

Lanes 2-3 : Anti-Mitofusin 2 antibody (ab50838) at 1 µg/ml

Lane 4 : Anti-Mitofusin 2 antibody (ab50838) at 2 µg/ml

Lanes 1-2 & 4 : rat brain mitochondria extract

Lane 3 : rat brain mitochondria extract with Mitofusin 2 immunizing peptide at 5 µg/ml

Secondary

All lanes : Goat Anti-Rabbit IgG, Peroxidase conjugate and a chemiluminescent substrate

Developed using the ECL technique.

Predicted band size: 86 kDa

Observed band size: 86 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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