abcam

Product datasheet

Anti-MLN64 antibody ab3478

★★★★★ 1 Abreviews   17 References   画像数 2

製品の概要

製品名	Anti-MLN64 antibody
製品の詳細	Rabbit polyclonal to MLN64
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB
種交差性	**交差種:** Rat, Human
免疫原	Recombinant full length protein corresponding to MLN64. Recombinant MLN64 protein.
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
一次抗体 備考	The steroidogenic acute regulatory (StAR) protein facilitates the movement of cholesterol from the outer to inner mitochondrial membrane in adrenal and gonadal cells, fostering steroid biosynthesis. MLN 64 is a 445-amino acid protein of unknown function. When 218 amino-terminal residues of MLN 64 are deleted, the resulting N-218 MLN 64 has 37% amino acid identity with StAR and 50% of StAR's steroidogenic activity in transfected cells. Bacterially expressed N-218 MLN 64 exerts StAR-like activity to promote the transfer of cholesterol from the outer to inner mitochondrial membrane in vitro. The presence of a protease-resistant domain and a protease-sensitive carboxy-terminal domain in N-218 MLN 64 is similar to the organization of StAR. However, as MLN 64 never enters the mitochondria, the protease-resistant domain of MLN 64 cannot be a mitochondrial pause-transfer sequence, as has been proposed for StAR.

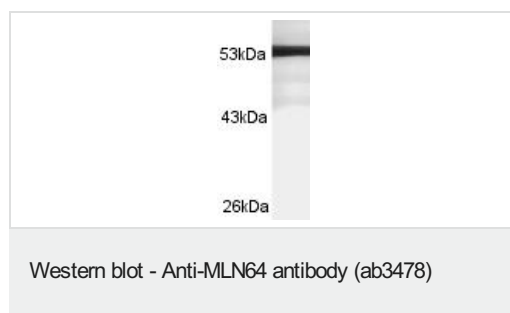| ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab3478の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 49 kDa. By Western blot, this antibody detects an ~53 kDa protein representing MLN 64 from rat adrenal gland tissue extracts. This antibody also detects an ~25 kDa protein from rat adrenal gland which may correspond to degradation product.

ターゲット情報

機能	Binds and transports cholesterol. Promotes steroidogenesis in placenta and brain.
配列類似性	Contains 1 MENTAL domain. Contains 1 START domain.
細胞内局在	Late endosome membrane.

画像

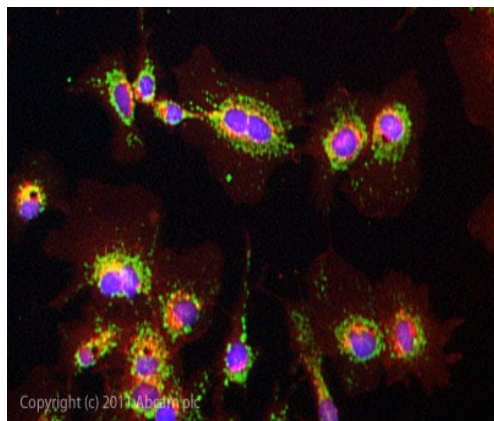Western blot - Anti-MLN64 antibody (ab3478)

Anti-MLN64 antibody (ab3478) at 1 µg/ml + Lysates prepared from rat adrenal gland

Predicted band size: 49 kDa

Western blot of MLN64 on rat adrenal gland extract using ab3478.

ICC/IF image of ab3478 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3478, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Immunocytochemistry/ Immunofluorescence - Anti-MLN64 antibody (ab3478)

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