


Anti-TUFM antibody [EPR12796(B)] ab175199

リコンビナント RabMAb[®]

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 6](#)

製品の概要

製品名	Anti-TUFM antibody [EPR12796(B)]
製品の詳細	Rabbit monoclonal [EPR12796(B)] to TUFM
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), IP, ICC/IF, WB 適用なし: IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide within Human TUFM aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: P49411
ポジティブ・コントロール	HepG2, A431, HeLa and Jurkat whole cell lysate (ab7899)
特記事項	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 .

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Tissue culture supernatant

ポリ/モノ	モノクローナル
クローン名	EPR12796(B)
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ab175199の使用に適用されず**
 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
Flow Cyt (Intra)		1/2500.
IP		1/10 - 1/100.
ICC/IF		1/500. For unpurified use at 1/50 - 1/100
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 50 kDa.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

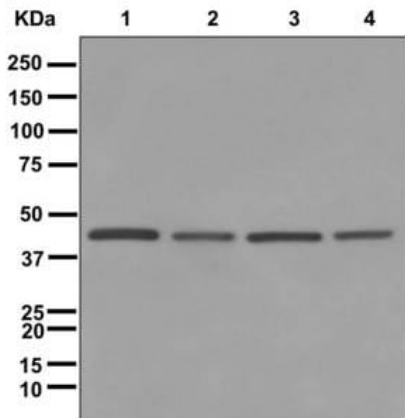
機能 This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

関連疾患 Combined oxidative phosphorylation deficiency 4 (COXPD4) [MIM:610678]: A mitochondrial disease resulting in neonatal lactic acidosis, rapidly progressive encephalopathy, severely decreased mitochondrial protein synthesis, and combined deficiency of mtDNA-related mitochondrial respiratory chain complexes. Note=The disease is caused by mutations affecting the gene represented in this entry.

配列類似性 Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.

細胞内局在 Mitochondrion.

画像



Western blot - Anti-TUFM antibody [EPR12796(B)] (ab175199)

All lanes : Anti-TUFM antibody [EPR12796(B)] (ab175199) at 1/10000 dilution

Lane 1 : HepG2 cell lysate

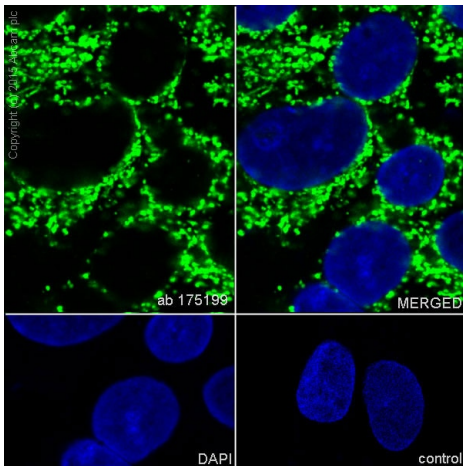
Lane 2 : A431 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

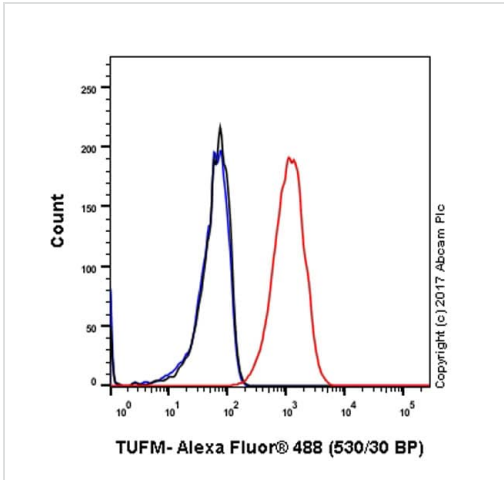
Predicted band size: 50 kDa



Immunocytochemistry/ Immunofluorescence - Anti-TUFM antibody [EPR12796(B)] (ab175199)

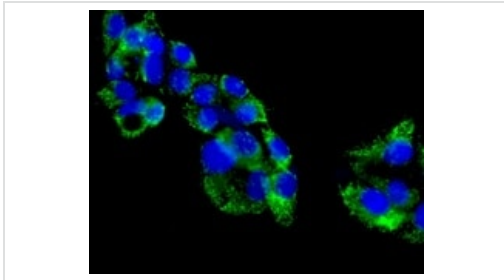
Immunocytochemistry/Immunofluorescence analysis of HepG2 (human hepatocellular carcinoma) cells labelling TUFM with purified ab175199 at 1/500. Cells were fixed with 100% methanol. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG ([ab150077](#)) at 1/1000 dilution was used as the secondary antibody. Nuclei counterstained with DAPI (blue).

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



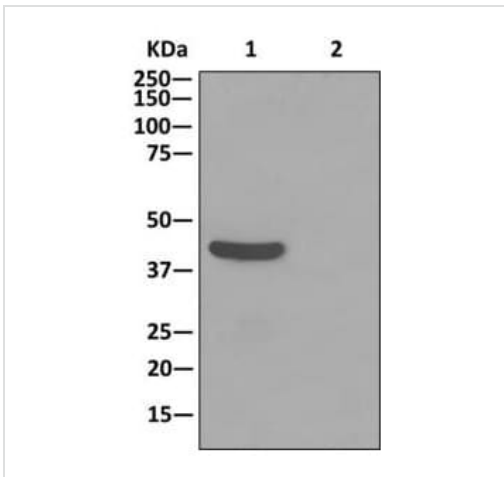
Flow Cytometry (Intracellular) - Anti-TUFM antibody
[EPR12796(B)] (ab175199)

Intracellular Flow Cytometry analysis of HepG2 (Human hepatocellular carcinoma epithelial cell) cells labeling TUFM (red) with purified ab175199 at a 1/2500 dilution (1ug/mL). Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (Black) (**ab172730**). Blue (unlabeled control) - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-TUFM antibody [EPR12796(B)] (ab175199)

Immunofluorescence analysis of HepG2 cells labeling TUFM with ab175199 at a 1/50 dilution (green). DAPI nuclear staining (blue).



Immunoprecipitation - Anti-TUFM antibody
[EPR12796(B)] (ab175199)

Western blot analysis on immunoprecipitation pellet from (Lane 1) HepG2 cells lysate or (Lane 2) 1X PBS (negative control) using ab175199 at a 1/10 dilution and HRP-conjugated anti-Rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TUFM antibody [EPR12796(B)] (ab175199)

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

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