abcam

Product datasheet

Anti-TOMM22/TOM22 antibody [4G4] ab57523

13 References 画像数 6

製品の概要

製品名	Anti-TOMM22/TOM22 antibody [4G4]
製品の詳細	Mouse monoclonal [4G4] to TOMM22/TOM22
由来種	Mouse
アプリケーション	**適用あり:** WB, IHC-P, Flow Cyt, ICC/IF
種交差性	**交差種:** Mouse, Human
免疫原	Recombinant full length protein (GST-tag) corresponding to Human TOMM22/TOM22 aa 1-142. Sequence: MAAAVAAAGAGEPQSPDELLPKGDAEKPEEELEEDDDEELDE TLSERLWG LTEMFPERVRSAAGATFDLSLFVAQKMYRFSRAALWIGTTSF MILVLPVV FETEKLQMEQQQQLQQRQILLGPNTGLSGGMPGALPSLPGKI Database link: **Q9NS69** Run BLAST with Run BLAST with
ポジティブ・コントロール	IHC-P: Human small Intestine. ICC/IF: HeLa cell. WB: NIH/3T3 cell lysate. Flow cyt: HeLa cells.
特記事項	This product was changed from ascites to tissue culture supernatant on 15 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. 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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

バッファー	pH: 7.4
精製度	Tissue culture supernatant
特記事項（精製）	Purified from TCS.
ポリ/モノ	モノクローナル
クローン名	4G4
アイソタイプ	IgG2a
軽鎖の種類	kappa

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ab57523の使用に適用されます**

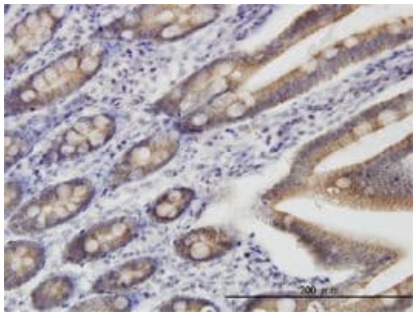
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 15 kDa.
IHC-P		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

細胞内局在	Mitochondrion outer membrane; Single-pass membrane protein

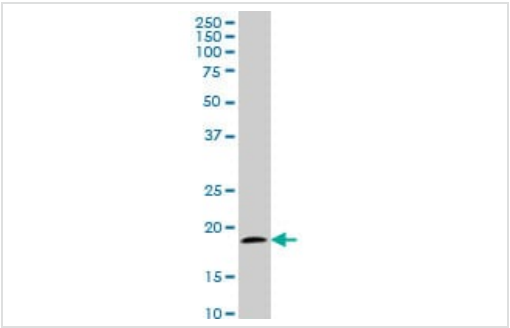
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TOMM22/TOM22 antibody [4G4] (ab57523)

TOMM22/TOM22 antibody (ab57523) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human small Intestine.

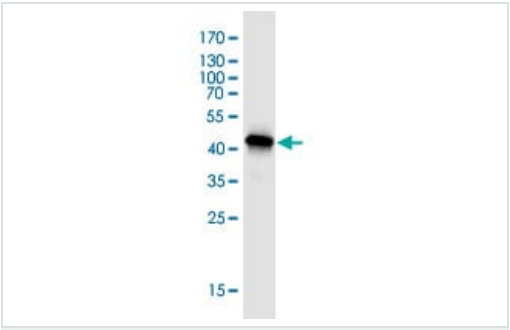
This image was generated using the ascites version of the product.



Western blot - Anti-TOMM22/TOM22 antibody [4G4] (ab57523)

TOMM22/TOM22 antibody (ab57523) at 1ug/lane + NIH/3T3 cell lysate at 25ug/lane.

This image was generated using the ascites version of the product.

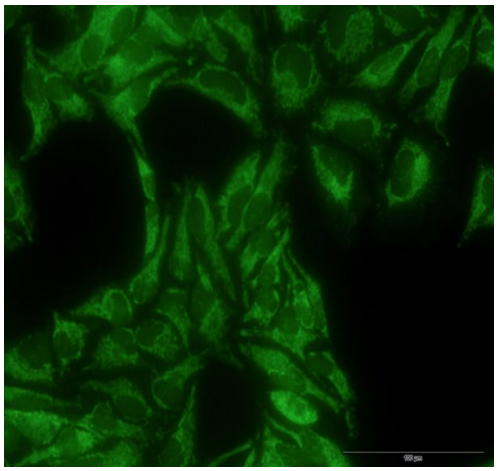


Western blot - Anti-TOMM22/TOM22 antibody [4G4] (ab57523)

Anti-TOMM22/TOM22 antibody [4G4] (ab57523) + immunogen peptide, Full length TOMM22 / TOM22 with GST tag.

Predicted band size: 15 kDa

GST tag MW is 26kDa.



Immunocytochemistry/ Immunofluorescence - Anti-TOMM22/TOM22 antibody [4G4] (ab57523)

Immunocytochemistry/ Immunofluorescence of TOMM22 in HeLa cell using ab57523 at 10 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-TOMM22/TOM22 antibody [4G4] (ab57523)

ICC/IF image of ab57523 stained HeLa cells. The cells were 4% formaldehyde fixed (10 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 (ab57523, 10µg/ml) overnight at +4°C. The secondary antibody

(green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 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.

This image was generated using the ascites version of the product.

Flow Cytometry - Anti-TOMM22/TOM22 antibody [4G4] (ab57523)

Overlay histogram showing HeLa cells stained with ab57523 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab57523, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

This image was generated using the ascites version of the product.

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