abcam

Product datasheet

Anti-MALT1/MLT antibody [EP603Y] ab33921

KO 評価済 リコンビナント RabMAb

11 References 画像数 8

製品の概要

製品名	Anti-MALT1/MLT antibody [EP603Y]
製品の詳細	Rabbit monoclonal [EP603Y] to MALT1/MLT
由来種	Rabbit
特異性	This antibody is predicted to detect splice isoform 2 based on sequence analysis.
アプリケーション	**適用あり:** Flow Cyt (Intra), IP, WB, ICC/IF **適用なし:** IHC-P
種交差性	**交差種:** Human
免疫原	Synthetic peptide within Human MALT1/MLT aa 1-100 (N terminal). The exact sequence is proprietary. Database link: **Q9UDY8**
ポジティブ・コントロール	WB: Ramos, HeLa, K562. Jurkat whole cell lysate (**ab7899**). ICC/IF: Ramos cells. Flow Cyt (intra): Jurkat cells. IP: Ramos whole cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP603Y
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ab33921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。

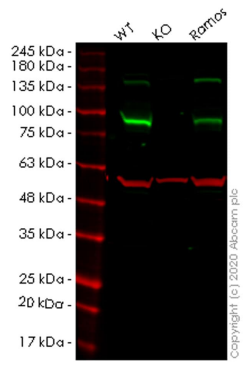
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100. For unpurified use at 1/100 - 1/1000.**ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/50.
WB		1/1000 - 1/10000. Predicted molecular weight: 92 kDa.
ICC/IF		1/250.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	Enhances BCL10-induced activation of NF-kappa-B. Involved in nuclear export of BCL10. Binds to TRAF6, inducing TRAF6 oligomerization and activation of its ligase activity. Has ubiquitin ligase activity. MALT1-dependent BCL10 cleavage plays an important role in T-cell antigen receptor-induced integrin adhesion.
組織特異性	Highly expressed in peripheral blood mononuclear cells. Detected at lower levels in bone marrow, thymus and lymph node, and at very low levels in colon and lung.
関連疾患	Note=A chromosomal aberration involving MALT1 is recurrent in low-grade mucosa-associated lymphoid tissue (MALT lymphoma). Translocation t(11;18)(q21;q21) with BIRC2. This translocation is found in approximately 50% of cytogenetically abnormal low-grade MALT lymphoma.
配列類似性	Belongs to the peptidase C14B family. Contains 1 death domain. Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
細胞内局在	Cytoplasm > perinuclear region. Nucleus. Shuttles between the nucleus and cytoplasm. Found in perinuclear structures together with BCL10.

画像



Western blot - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

All lanes : Anti-MALT1/MLT antibody [EP603Y] (ab33921) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : MALT1 knockout HeLa cell lysate
Lane 3 : Ramos cell lysate

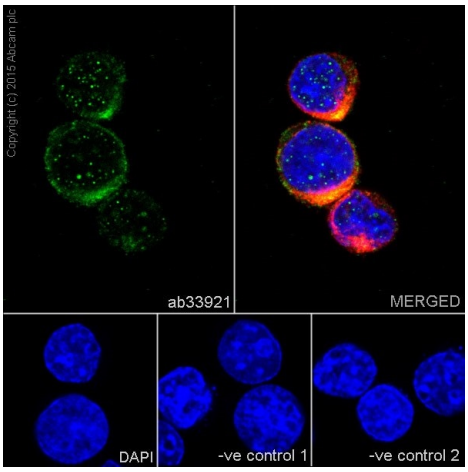
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 92 kDa
Observed band size: 92 kDa

Lanes 1-3: Merged signal (red and green). Green - ab33921 observed at 92 kDa. Red - loading control **ab7291** observed at 50 kDa.

ab33921 Anti-MALT1/MLT antibody [EP603Y] was shown to specifically react with MALT1/MLT in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab264930** (knockout cell lysate **ab257149**) was used. Wild-type and MALT1/MLT knockout samples were subjected to SDS-PAGE. ab33921 and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye®800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye®680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

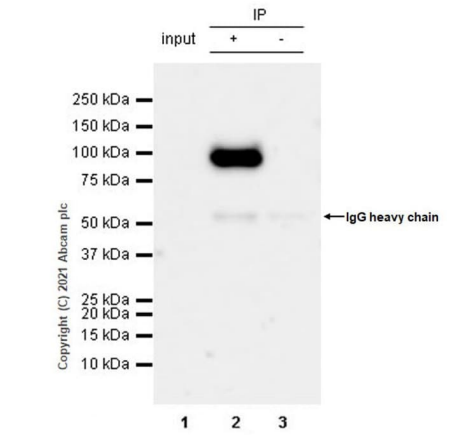


Immunocytochemistry/ Immunofluorescence - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

Immunocytochemistry/Immunofluorescence analysis of Ramos cells labelling MALT1/MLT with purified ab33921 at 1/250. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/500) and **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500) were also used.

Control 1: Primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500).



Immunoprecipitation - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

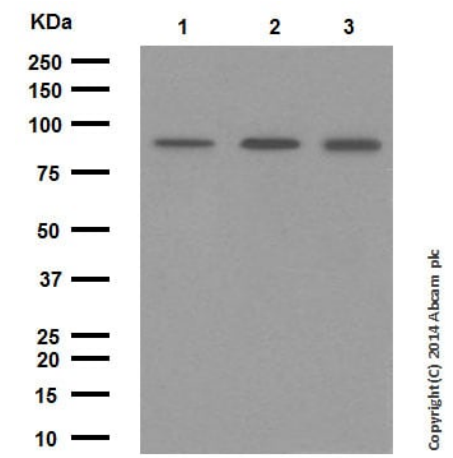
MALT1/MLT was immunoprecipitated from 0.35 mg of Ramos (human Burkitt's lymphoma B lymphocyte) whole cell lysate with ab33921 at 1/50 dilution. Western blot was performed from the immunoprecipitate using ab33921 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: Ramos whole cell lysate 10 µg (Input).

Lane 2: ab33921 IP in Ramos whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab33921 in Ramos whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.



Western blot - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

All lanes : Anti-MALT1/MLT antibody [EP603Y] (ab33921) at 1/10000 dilution (purified)

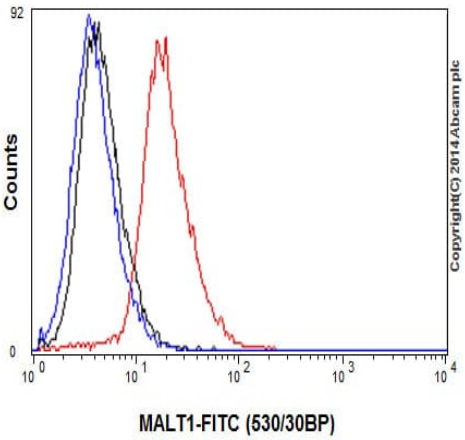
Lane 1 : Ramos (Human Burkitt's lymphoma cell line) cell lysate
Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate
Lane 3 : K562 (Human chronic myelogenous leukemia cell line from bone marrow) cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Peroxidase conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

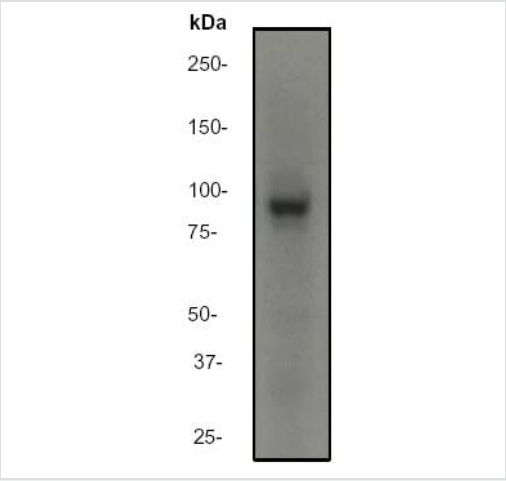
Predicted band size: 92 kDa
Observed band size: 92 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

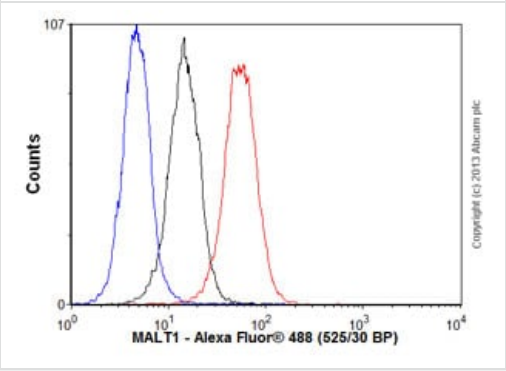
Intracellular Flow Cytometry analysis ofJurkat (Human T cell leukemia cell line from peripheral blood) cells labelling MALT1/MLT with purified ab33921 at 1/100 (red). Cells were fixed with 80% methanol. A FITC-conjugated goat anti-rabbit IgG (1/150) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.



Western blot - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

Anti-MALT1/MLT antibody [EP603Y] (ab33921) at 1/2000 dilution (unpurified) + Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate

Predicted band size: 92 kDa
Observed band size: 92 kDa



Flow Cytometry (Intracellular) - Anti-MALT1/MLT antibody [EP603Y] (ab33921)

Overlay histogram showing Jurkat (Human T cell leukemia cell line from peripheral blood) cells stained with unpurified ab33921 (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 (unpurified ab33921, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluorr® 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

This antibody gave a positive signal in Jurkat cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

Anti-MALT1/MLT antibody [EP603Y] (ab33921)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors