abcam

Product datasheet

Anti-Fas antibody [EPR5700] ab133619

KO 評価済 リコンビナント RabMAb

29 References 画像数 8

製品の概要

製品名	Anti-Fas antibody [EPR5700]
製品の詳細	Rabbit monoclonal [EPR5700] to Fas
由来種	Rabbit
アプリケーション	**適用あり:** WB, IHC-P, ICC/IF **適用なし:** Flow Cyt (Intra) or IP
種交差性	**交差種:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa, Ramos, HT-1080, and Raji cell lysates. IHC-P: Human tonsil tissue. ICC/IF: Raji cells
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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR5700

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ab133619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。

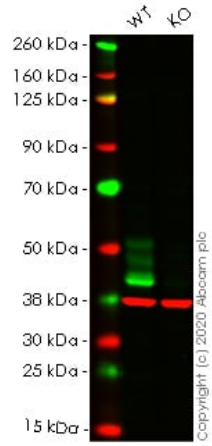
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 45 kDa (predicted molecular weight: 37 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.

追加情報 Is unsuitable for Flow Cyt (Intra) or IP.

ターゲット情報

機能	Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro).
組織特異性	Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6.
関連疾患	Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly.
配列類似性	Contains 1 death domain. Contains 3 TNFR-Cys repeats.
ドメイン	Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins.
細胞内局在	Secreted and Cell membrane.

画像



Western blot - Anti-Fas antibody [EPR5700] (ab133619)

All lanes : Anti-Fas antibody [EPR5700] (ab133619) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : FAS knockout HeLa cell lysate

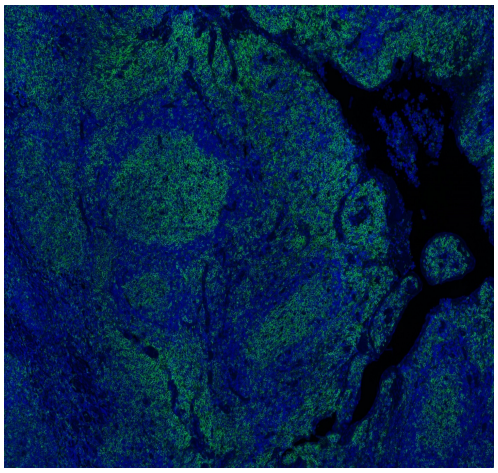
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 37 kDa
Observed band size: 37 kDa

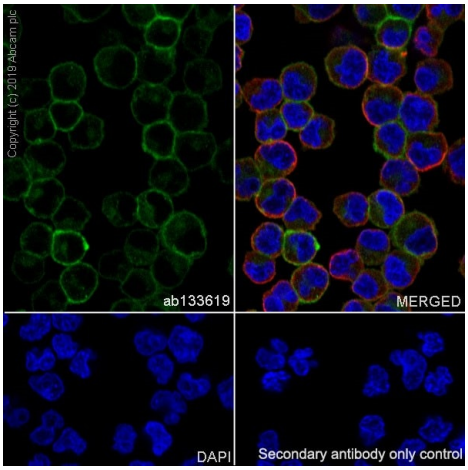
Lanes 1-2: Merged signal (red and green). Green - ab133619 observed at 37 kDa. Red - loading control **ab8245** observed at 37 kDa.

ab133619 Anti-Fas antibody [EPR5700] was shown to specifically react with Fas in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265260** (knockout cell lysate **ab256911**) was used. Wild-type and Fas knockout samples were subjected to SDS-PAGE. ab133619 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 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.



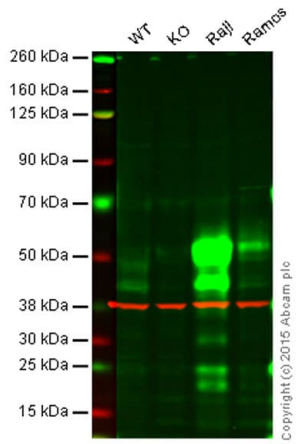
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fas antibody [EPR5700] (ab133619)

Anti-Fas antibody [EPR5700] (ab133619)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling Fas with ab133619 at a dilution of 1:500. Heat mediated antigen retrieval was performed using AR9 antigen retrieval solution, and microwave treatment for 15 min at 20% power. Anti-Rabbit/Mouse HRP polymer (PerkinElmer Opal Polymer HRP Ms Plus Rb) was used as secondary antibody. Opal tyramide amplification was performed using Opal 520 fluorophore. Counterstained with DAPI stain. Image scanned with Vectra 3.0 and analyzed via Phenochart software.
This image was courteously provided by Dr. Houssein Abdul Sater, Georgia Cancer Center.



Immunocytochemistry/ Immunofluorescence - Anti-Fas antibody [EPR5700] (ab133619)

Immunocytochemistry analysis of Raji (Human Burkitt's lymphoma B lymphocyte) labeling Fas with purified ab133619 at 1/50 dilution. Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/1000 (2 µg/ml) was used as the secondary antibody. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.31 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.
Negative control: PBS instead of the primary antibody.



Western blot - Anti-Fas antibody [EPR5700] (ab133619)

All lanes : Anti-Fas antibody [EPR5700] (ab133619) at 1/1000 dilution

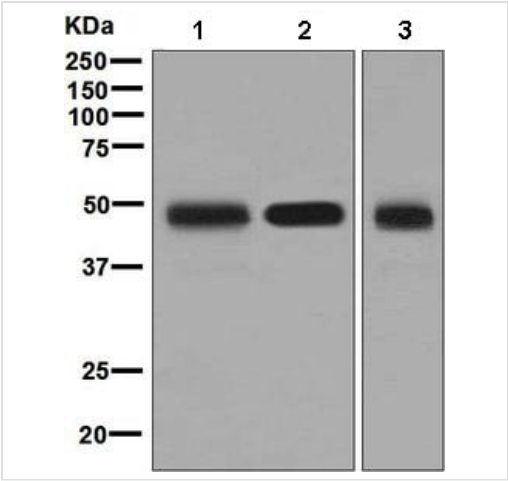
Lane 1 : Wild-type HAP1 cell lysate
Lane 2 : Fas knockout HAP1 cell lysate
Lane 3 : Raji cell lysate
Lane 4 : Ramos cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 37 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab133619 observed at 42 kDa. Red - loading control, **ab8245**, observed at 38 kDa.

ab133619 was shown to specifically react with Fas when Fas knockout samples were used. Wild-type and Fas knockout samples were subjected to SDS-PAGE. ab133619 and **ab8245** (loading control to GAPDH) were diluted 1/1000 and 1/10 000 and incubated overnight at 4°C. 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 1/10 000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-Fas antibody [EPR5700] (ab133619)

All lanes : Anti-Fas antibody [EPR5700] (ab133619) at 1/1000 dilution

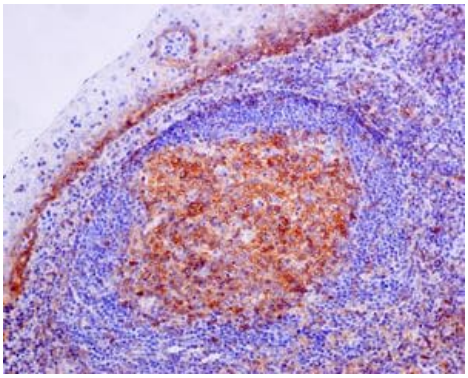
Lane 1 : Ramos cell lysate
Lane 2 : HT-1080 cell lysate
Lane 3 : Raji cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 37 kDa

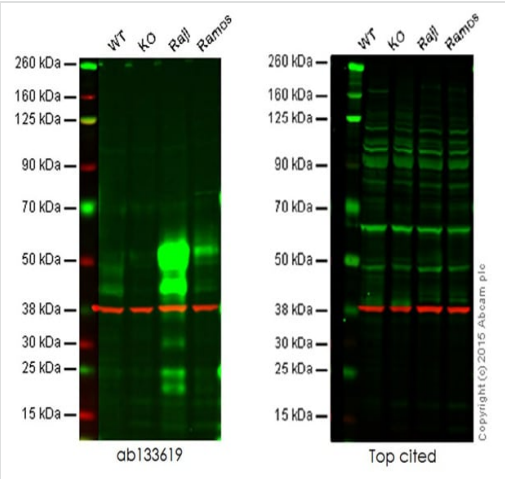
Actual band size : 45 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fas antibody [EPR5700] (ab133619)

Immunohistochemical analysis of paraffin embedded Human tonsil tissue labelling CD95 with ab133619 antibody at a dilution of 1/250.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Fas antibody [EPR5700] (ab133619)

All lanes : Anti-Fas antibody [EPR5700] (ab133619)

Lane 1 : Wild-type HAP1 cell lysate
Lane 2 : Fas knockout HAP1 cell lysate
Lane 3 : Raji cell lysate
Lane 4 : Ramos cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 37 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab133619 observed at 42 kDa. Red - loading control, **ab8245**, observed at 38 kDa.

This western blot image is a comparison between ab133619 and a competitor's top cited rabbit polyclonal antibody.

Anti-Fas antibody [EPR5700] (ab133619)

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