

Anti-Fas antibody [EPR5700] ab133619

敲除验证
重组
RabMAb

[29 References](#)
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概述

产品名称	Anti-Fas抗体[EPR5700]
描述	兔单克隆抗体[EPR5700] to Fas
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF 不适用于: Flow Cyt (Intra) or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, Ramos, HT-1080, and Raji cell lysates. IHC-P: Human tonsil tissue. ICC/IF: Raji cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5700

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab133619 于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
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.

应用说明

Is unsuitable for Flow Cyt (Intra) or IP.

靶标

功能

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).

组织特异性

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.

疾病相关

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.

序列相似性

Contains 1 death domain.
Contains 3 TNFR-Cys repeats.

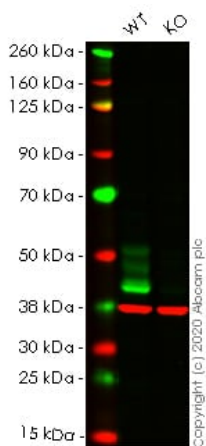
结构域

Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins.

细胞定位

Secreted and Cell membrane.

图片



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.

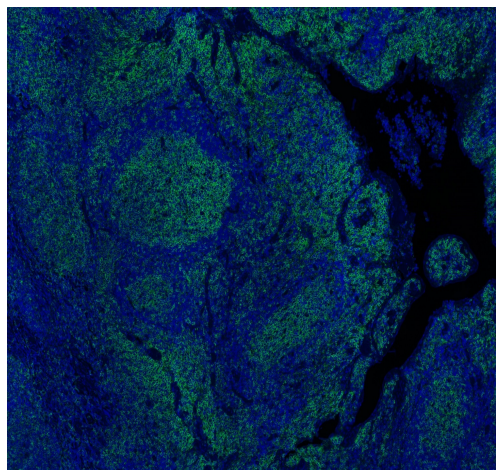
Performed under reducing conditions.

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.

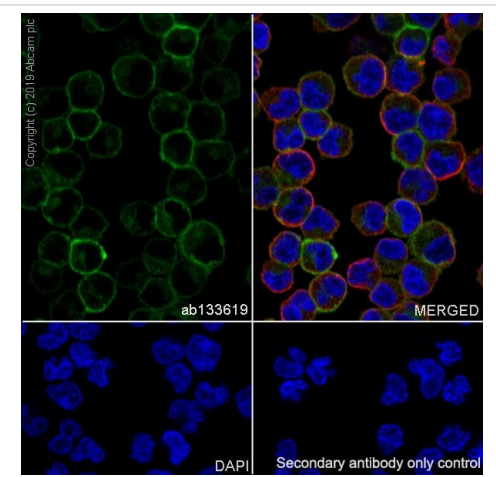
ab133619 Anti-Fas antibody [EPR5700] was shown to specifically react with Fas in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265260](#) (knockout cell lysate [ab256911](#)) was used. Wild-type and Fas knockout samples were subjected to SDS-PAGE. ab133619 and Anti-GAPDH 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)

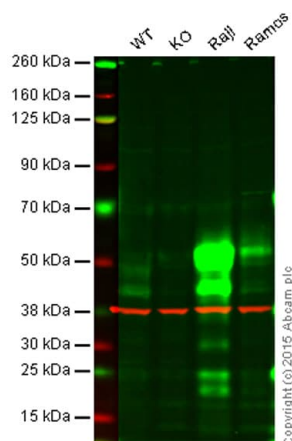
Anti-Fas antibody [EPR5700] (ab133619)

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

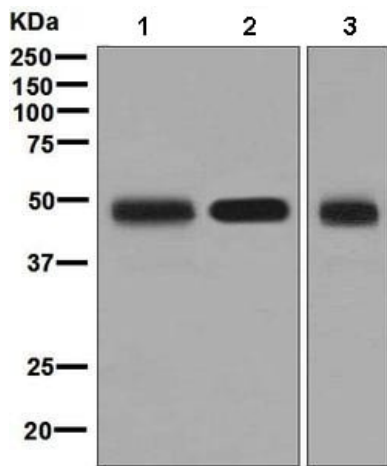
Lane 4 : Ramos cell lysate

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

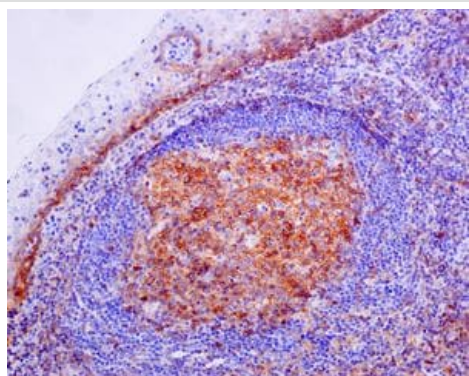
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 37 kDa

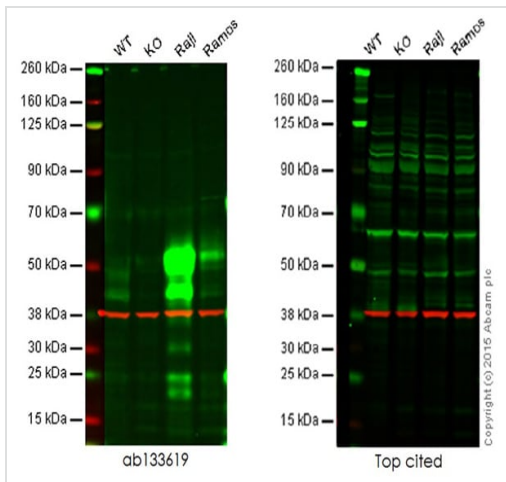
Actual band size : 45 kDa



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.

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-Fas antibody [EPR5700] (ab133619)

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