abcam

Product datasheet

Anti-FADD antibody [EPR4415] - BSA and Azide free ab232045

敲除验证 重组 RabMAb

6 图像

概述

产品名称	Anti-FADD抗体[EPR4415] - BSA and Azide free
描述	兔单克隆抗体[EPR4415] to FADD - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** WB, IP, IHC-P, Flow Cyt (Intra)
种属反应性	**与反应:** Human
免疫原	Synthetic peptide within Human FADD aa 1-150. The exact sequence is proprietary. Database link: **Q13158**
阳性对照	WB: A431, Jurkat, HeLa, and SKBR-3 cell lysates. IHC-P: Human kidney tissue. Flow Cyt (intra): A431 cells. IP: HeLa lysate.
常规说明	ab232045 is the carrier-free version of **ab108601**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4415
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab232045于以下的经测试应用

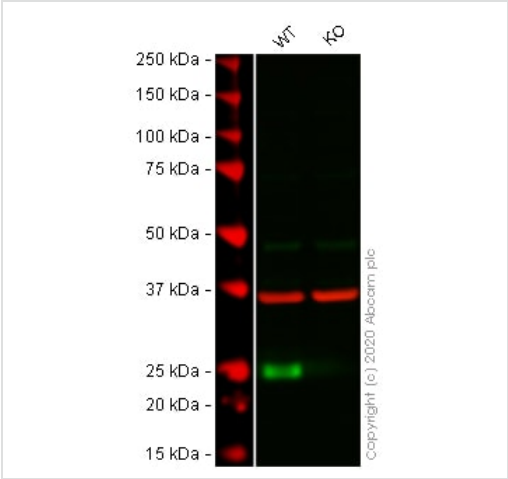
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 23 kDa.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

靶标

功能	Apoptotic adaptor molecule that recruits caspase-8 or caspase-10 to the activated Fas (CD95) or TNFR-1 receptors. The resulting aggregate called the death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation. Active caspase-8 initiates the subsequent cascade of caspases mediating apoptosis.
组织特异性	Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.
序列相似性	Contains 1 death domain. Contains 1 DED (death effector) domain.
结构域	Contains a death domain involved in the binding of the corresponding domain within Fas receptor.

图片



Western blot - Anti-FADD antibody [EPR4415] - BSA and Azide free (ab232045)

All lanes : Anti-FADD antibody [EPR4415] (**ab108601**) at 1/1000 dilution

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

Lysates/proteins at 20 µg per lane.

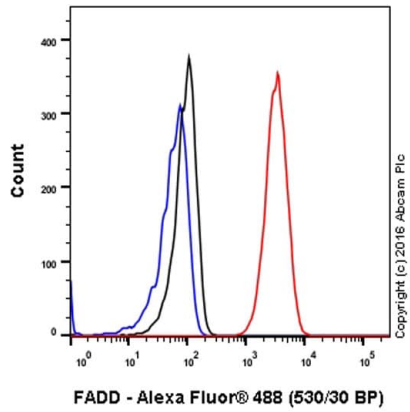
Performed under reducing conditions.

Predicted band size: 23 kDa
Observed band size: 23 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab108601**).

Lanes 1 - 2: Merged signal (red and green). Green - **ab108601** observed at 23 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

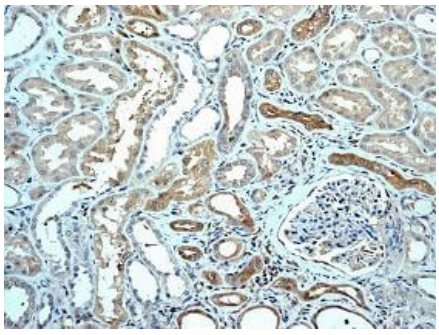
ab108601 was shown to react with FADD in wild-type HeLa cells in western blot with loss of signal observed in FADD knockout cell line **ab261817** (FADD knockout cell lysate **ab257261**). Wild-type and FADD knockout HeLa cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with **ab108601** and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-FADD antibody [EPR4415] - BSA and Azide free (ab232045)

Intracellular Flow Cytometry analysis of A431 (human epidermoid carcinoma) cells labeling FADD with purified **ab108601** at 1/140 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108601**).

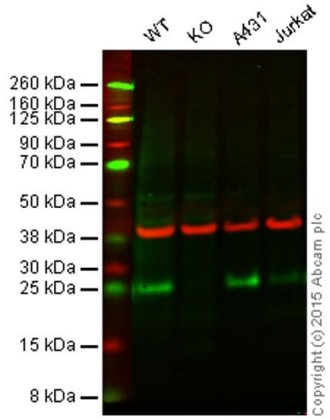


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FADD antibody [EPR4415] - BSA and Azide free (ab232045)

Immunohistochemical staining of paraffin-embedded Human kidney tissue using **ab108601** at a dilution of 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108601**).

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



Western blot - Anti-FADD antibody [EPR4415] - BSA and Azide free (ab232045)

All lanes : Anti-FADD antibody [EPR4415] (**ab108601**) at 1/1000 dilution

Lane 1 : Wild-type HAP1 cell lysate
Lane 2 : FADD knockout HAP1 cell lysate
Lane 3 : A431 cell lysate
Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 23 kDa

Lanes 1 - 4: Merged signal (red and green). Green - **ab108601** observed at 25 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab108601 was shown to specifically react with FADD when FADD knockout samples were used. Wild-type and FADD knockout samples were subjected to SDS-PAGE. **ab108601** and **ab8245** (loading control to GAPDH) were diluted 1/1,000 and 1/2,000 respectively 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 hour at room temperature before imaging.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108601**).

Immunoprecipitation - Anti-FADD antibody [EPR4415] - BSA and Azide free (ab232045)

This data was developed using **ab108601**, the same antibody clone in a different buffer formulation.

FADD was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg with **ab108601** at 1/120 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg

Lane 2: abab108601 IP in HeLa whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab108601** in HeLa whole cell lysate

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

Anti-FADD antibody [EPR4415] - BSA and Azide free (ab232045)

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