abcam

Product datasheet

Human FADD knockout HeLa cell lysate ab257261

画像数 3

製品の概要

製品名	Human FADD knockout HeLa cell lysate
製品の概要	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HeLa
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, Homozygous: Insertion of the selection cassette in exon 1.
Passage number	<20
Knockout validation	Sanger Sequencing, Western Blot (WB)
Reconstitution notes	To use as WB control, resuspend the lyophilizate in 50 µL of LDS* Sample Buffer to have a final concentration of 2 mg/ml. For reducing conditions, we recommend a final concentration of 0.1 M DTT. **Usage of SDS sample buffer is not recommended with these lyophilized lysates.*
特記事項	**Lysate preparation:** Our lysates are made using RIPA buffer to which we add a protease inhibitor cocktail and phosphatase inhibitor cocktail (ratio: 300:100:10). *This means that the protein of interest is denatured.* If you require a native form of the protein please use the live cell version - found **here**. Please refer to our lysis protocol for further details on how our lysates are prepared. **User storage instructions:** Lyophilizate may be stored at 4°C. After reconstitution, store at -20°C for short-term storage or -80°C for long-term storage. Access thousands of knockout cell lysates, generated from commonly used cancer cell lines. **See here for more information on knockout cell lysates.** Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses. This product is subject to limited use licenses from The Broad Institute, ERS Genomics Limited and Sigma-Aldrich Co. LLC, and is developed with patented technology. For full details of the licenses and patents please refer to our **limited use license** and **patent pages**.
アプリケーション	**適用あり:** WB

製品の特性

保存方法 Store at -80°C. Please refer to protocols.

内容	1 kit
ab260164 - Human FADD knockout HeLa cell lysate	1 x 100µg
ab255929 - Human wild-type HeLa cell lysate	1 x 100µg

Cell type epithelial

Disease Adenocarcinoma

Gender Female

STR Analysis Amelogenin X D5S818: 11, 12 D13S317: 12, 13.3 D7S820: 8, 12 D16S539: 9, 10 vWA: 16, 18 TH01: 7 TPOX: 8,12 CSF1PO: 9, 10

ターゲット情報

機能 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.

組織特異性 Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.

配列類似性 Contains 1 death domain.
Contains 1 DED (death effector) domain.

ドメイン Contains a death domain involved in the binding of the corresponding domain within Fas receptor.

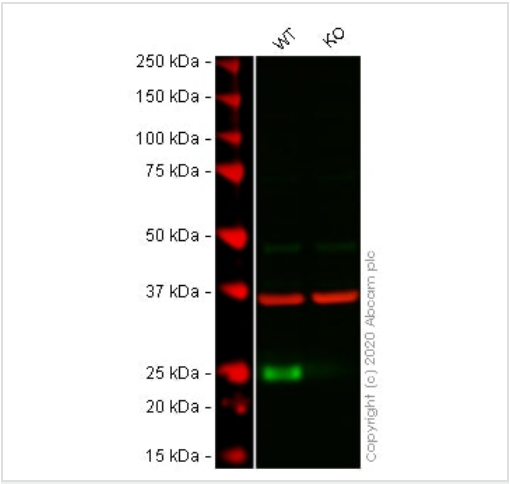
アプリケーション

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ab257261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: 23 kDa.

画像



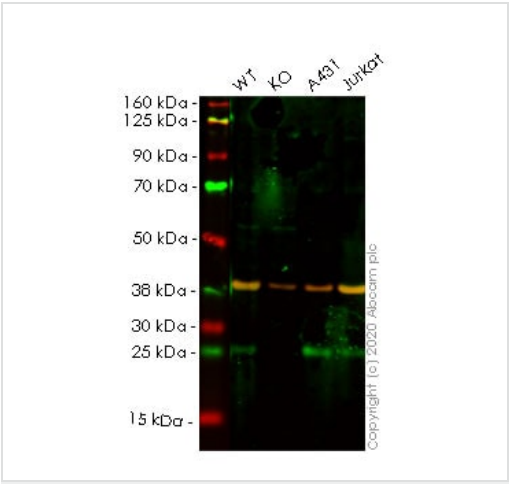
Western blot - Human FADD knockout HeLa cell lysate (ab257261)

Lane 1: Wild-type HeLa cell lysate 20 ug

Lane 2: FADD knockout HeLa cell lysate 20 ug

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.



Western blot - Human FADD knockout HeLa cell lysate (ab257261)

Lane 1: Wild-type HeLa cell lysate (20 µg)

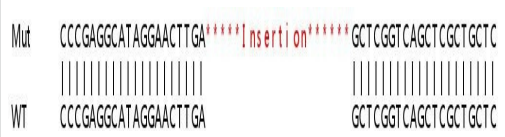
Lane 2: FADD knockout HeLa cell lysate (20 µg)

Lane 3: A431 cell lysate (20 µg)

Lane 4: Jurkat cell lysate (20 µg)

Lanes 1-4: Merged signal (red and green). Green - **ab119059** observed at 25 kDa. Red - loading control **ab181602** observed at 37 kDa.

ab119059 Anti-FADD antibody [OTI1C11] was shown to specifically react with FADD in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab261817** (knockout cell lysate ab257261) was used. Wild-type and FADD knockout samples were subjected to SDS-PAGE. **ab119059** and Anti-GAPDH antibody[EPR16891] - Loading Control (**ab181602**) were incubated overnight at 4°C at 1 in 2000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed (**ab216772**) and Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed (**ab216777**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Sanger Sequencing - Human FADD knockout HeLa cell lysate (ab257261)

Homozygous: Insertion of the selection cassette in exon 1

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