abcam

Product datasheet

# Human TNFAIP3 knockout A549 cell lysate ab257114

画像数 3

## 製品の概要

| | |
|---|---|
| **製品名** | Human TNFAIP3 knockout A549 cell lysate |
| **製品の概要** | Knockout cell lysate achieved by CRISPR/Cas9. |
| **Parental Cell Line** | A549 |
| **Organism** | Human |
| **Mutation description** | Knockout achieved by using CRISPR/Cas9, 1 bp deletion in exon7 and 1 bp insertion in exon7. |
| **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.<br>**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.<br><br>**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.<br><br>Access thousands of knockout cell lysates, generated from commonly used cancer cell lines. **See here for more information on knockout cell lysates.**<br><br>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.<br>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.<br><br>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 |
|---|---|
| ab263513 - Human TNFAIP3 knockout A549 cell lysate | 1 x 100µg |
| ab255554 - Human wild-type A549 cell lysate | 1 x 100µg |

**Cell type** epithelial

**Disease** Carcinoma

**STR Analysis** Amelogenin X,Y D5S818: 11 D13S317: 11 D7S820: 8, 11 D16S539: 11, 12 vWA: 14 TH01: 8,9.3 TPOX: 8,11 CSF1PO: 10, 12

## ターゲット情報

**機能** Ubiquitin-editing enzyme that contains both ubiquitin ligase and deubiquitinase activities. Essential component of a ubiquitin-editing protein complex, comprising also RNF11, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Upon TNF stimulation, deubiquitinates 'Lys-63'-polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. In vitro able to deubiquitinate both 'Lys-48'- and 'Lys-63' polyubiquitin chains. Inhibitor of programmed cell death. Has a role in the function of the lymphoid system.

**配列類似性** Belongs to the peptidase C64 family.
Contains 7 A20-type zinc fingers.
Contains 1 OTU domain.

**ドメイン** The A20-type zinc fingers mediate the ubiquitin ligase activity.
The OTU domain mediates the deubiquitinase activity.

**細胞内局在** Cytoplasm. Nucleus.

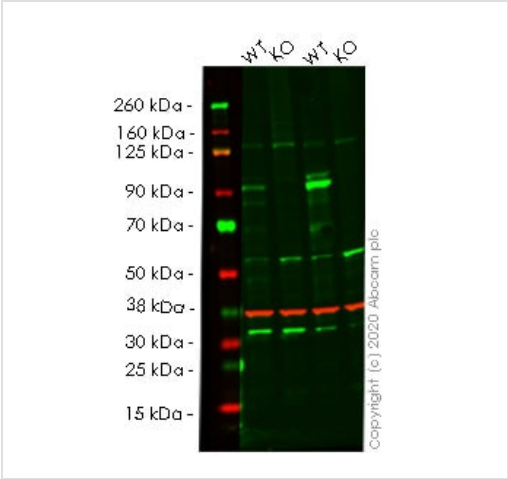
## アプリケーション

**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ab257114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: 89 kDa. |

## 画像




Western blot - Human TNFAIP3 knockout A549 cell lysate (ab257114)

**Lane 1:** Wild-type A549 cell lysate (20µg)

**Lane 2:** TNFAIP3 knockout A549 cell lysate (20µg)

**Lane 3:** Wild-type HeLa cell lysate (20µg)

**Lane 4:** TNFAIP3 knockout HeLa cell lysate (20µg)

**Lanes 1- 4:** Merged signal (red and green). Green - **ab92324** observed at 90 kDa. Red - loading control **ab8245** observed at 37 kDa.

**ab92324** Anti-TNFAIP3 antibody [EPR2663] was shown to specifically react with TNFAIP3 in wild-type A549 cells in western blot. Loss of signal was observed when knockout cell line **ab266946** (knockout cell lysate ab257114) was used. Wild-type and TNFAIP3 knockout samples were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. **ab92324** and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) 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.


Sanger Sequencing - Human TNFAIP3 knockout A549 cell lysate (ab257114)

Allele-1: 1 bp deletion in exon7


Sanger Sequencing - Human TNFAIP3 knockout A549 cell lysate (ab257114)

Allele-2: 1 bp insertion in exon7

**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