

### Human TRIM56 knockout A549 cell lysate ab258250

画像数 5

#### 製品の概要

製品名	Human TRIM56 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, 13 bp deletion in exon3 and 1 bp deletion in exon3 and 31 bp deletion in exon3.
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. <i>*Usage of SDS sample buffer is not recommended with these lyophilized lysates.</i>

#### 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.](#)

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#### 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
ab263626 - Human TRIM56 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

E3 ubiquitin-protein ligase that mediates 'Lys-63'-linked polyubiquitination of TMEM173/STING, thereby playing a key role in innate immunity. TMEM173/STING 'Lys-63'-linked ubiquitination activates the production of type I interferon IFN-beta following detection of pathogen- and host-derived double-stranded DNA.

### 配列類似性

Belongs to the TRIM/RBCC family.  
Contains 2 B box-type zinc fingers.  
Contains 1 RING-type zinc finger.

### 細胞内局在

Cytoplasm.

## アプリケーション

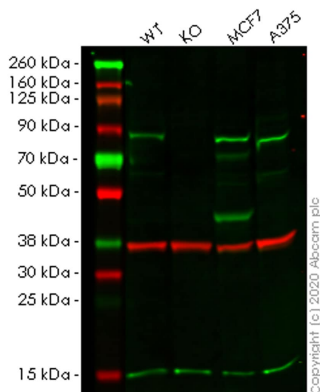
### The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab258250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: 81 kDa.

## 画像



Western blot - Human TRIM56 knockout A549 cell lysate (ab258250)

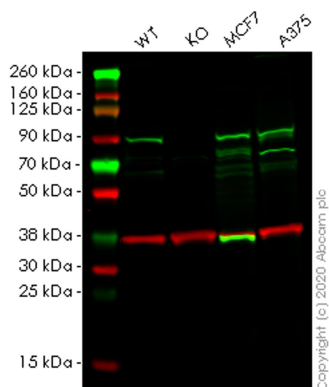
**Lane 1:** Wild-type A549 (Human lung carcinoma cell line) whole cell lysate (20 ug)

**Lane 2:** TRIM56 knockout A549 (Human lung carcinoma cell line) whole cell lysate (20 ug)

**Lane 3:** MCF7 (Human breast adenocarcinoma cell line) whole cell lysate (20 ug)

**Lane 4:** A-375 (Human malignant melanoma cell line) whole cell lysate (20 ug)

**ab154821** was shown to specifically react with TRIM56 in wild-type A549 cells. Loss of signal was observed when knockout cell line **ab267063** (knockout cell lysate ab258250) was used. Wild-type and TRIM56 knockout samples were subjected to SDS-PAGE. **ab154821** 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.



Western blot - Human TRIM56 knockout A549 cell lysate (ab258250)

**Lane 1:** Wild-type A549 (Human lung carcinoma cell line) whole cell lysate (20 ug)

**Lane 2:** TRIM56 knockout A549 (Human lung carcinoma cell line) whole cell lysate (20 ug)

**Lane 3:** MCF7 (Human breast adenocarcinoma cell line) whole cell lysate (20 ug)

**Lane 4:** A-375 (Human malignant melanoma cell line) whole cell lysate (20 ug)

**ab154862** was shown to specifically react with TRIM56 in wild-type A549 cells. Loss of signal was observed when knockout cell line **ab267063** (knockout cell lysate ab258250) was used. Wild-type and TRIM56 knockout samples were subjected to SDS-PAGE. **ab154862** 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.

Mut	AGCGCCAAGCGGCCAGTGTCCCCAGCAC-----
WT	AGCGCCAAGCGGCCAGTGTCCCCAGCACCCCGGGAGGCACTGCGGTTCTGTGCCAGC
Sanger Sequencing - Human TRIM56 knockout	
A549 cell lysate (ab258250)	

Allele-1: 31 bp deletion in exon3

Mut	AGCGCCAAGCGGCCAGTGTCCCCAGCAC-----TGC
WT	AGCGCCAAGCGGCCAGTGTCCCCAGCACCCCGGGAGGCACTGCGGTTCTGTGCCAGC
Sanger Sequencing - Human TRIM56 knockout	
A549 cell lysate (ab258250)	

Allele-2: 13 bp deletion in exon3

Mut	AGCGCCAAGCGGCCAGTGTCCCCAGCAC-CCGGGAGGCACTGCGGTTCTGTGCCAGC
WT	AGCGCCAAGCGGCCAGTGTCCCCAGCACCCCGGGAGGCACTGCGGTTCTGTGCCAGC
Sanger Sequencing - Human TRIM56 knockout	
A549 cell lysate (ab258250)	

Allele-3: 1 bp deletion in exon3

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