

# Human CRKL knockout HeLa cell lysate ab257397

画像数 4

### 製品の概要

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製品名	Human CRKL 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, 1 bp deletion in exon1 and Insertion of the selection cassette in exon1.
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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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.

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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
ab260982 - Human CRKL 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

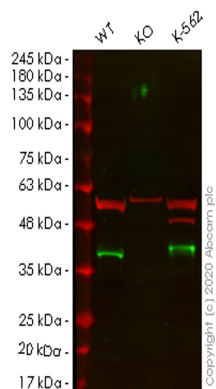
**機能** May mediate the transduction of intracellular signals.  
**配列類似性** Belongs to the CRK family.  
Contains 1 SH2 domain.  
Contains 2 SH3 domains.

## 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ab257397の使用に適用されず  
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: 34 kDa.

## 画像



Western blot - Human CRKL knockout HeLa cell lysate (ab257397)

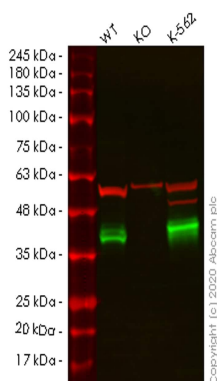
**Lane 1:** Wild-type HeLa cell lysate (20 µg)

**Lane 2:** CRKL knockout HeLa cell lysate (20 µg)

**Lane 3:** K-562 cell lysate (20 µg)

**Lanes 1-3:** Merged signal (red and green). Green - **ab32126** observed at 37 kDa. Red - loading control **ab7291** observed at 50 kDa.

**ab32126** Anti-Crkl antibody [Y243] was shown to specifically react with Crkl in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265993** (knockout cell lysate ab257397) was used. Wild-type and Crkl knockout samples were subjected to SDS-PAGE. **ab32126** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) 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 CRKL knockout HeLa cell lysate (ab257397)

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

**Lane 2:** CRKL knockout HeLa cell lysate (20 µg)

**Lane 3:** K-562 cell lysate (20 µg)

**Lanes 1-3:** Merged signal (red and green). Green - **ab32018** observed at 37 kDa. Red - loading control **ab7291** observed at 50 kDa.

**ab32018** Anti-Crkl antibody [Y244] was shown to specifically react with Crkl in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265993** (knockout cell lysate ab257397) was used. Wild-type and Crkl knockout samples were subjected to SDS-PAGE. **ab32018** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) 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.

680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

```
Mut  CAGGTCGACTCCTCGGACCGCTCCGCC- GGTATATGGGGCCGGTGTCTCGCCAGGAGGC
      |||
WT   CAGGTCGACTCCTCGGACCGCTCCGCCGGTATATGGGGCCGGTGTCTCGCCAGGAGGC
```

Sanger Sequencing - Human CRKL knockout HeLa cell lysate (ab257397)

Allele-1: 1 bp deletion in exon1

```
Mut  CTCCTCGGACCGCTCCGCCT*****Insertion*****GGTATATGGGGCCGGTGTCT
      |||
WT   CTCCTCGGACCGCTCCGCCT                GGTATATGGGGCCGGTGTCT
```

Sanger Sequencing - Human CRKL knockout HeLa cell lysate (ab257397)

Allele-2: Insertion of the selection cassette in exon1

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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