

Human DNAJA1 knockout HEK-293T cell lysate ab257925

画像数 3

製品の概要

製品名	Human DNAJA1 knockout HEK-293T cell lysate
製品の概要	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HEK293T
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 11 bp deletion in exon 2 and 1 bp insertion in exon 2.
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.](#)

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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
ab260391 - Human DNAJA1 knockout HEK293T cell lysate	1 x 100µg
ab255553 - Human wild-type HEK293T cell lysate	1 x 100µg

Cell type

epithelial

STR Analysis

Amelogenin X D5S818: 8, 9 D13S317: 12, 14 D7S820: 11 D16S539: 9, 13 vWA: 16, 19 TH01: 7, 9.3 TPOX: 11 CSF1PO: 11, 12

ターゲット情報

機能

Co-chaperone of Hsc70. Seems to play a role in protein import into mitochondria.

配列類似性

Contains 1 CR-type zinc finger.
Contains 1 J domain.

細胞内局在

Membrane.

アプリケーション

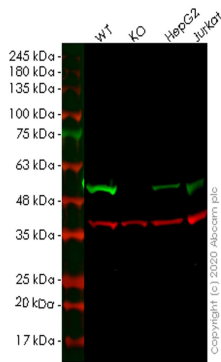
The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab257925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: 45 kDa.

画像



Western blot - Human DNAJA1 knockout HEK293T cell lysate (ab257925)

Lane 1: Wild-type HEK293T cell lysate (20 ug)

Lane 2: DNAJA1 knockout HEK293T cell lysate (20 ug)

Lane 3: HepG2 cell lysate (20 ug)

Lane 4: Jurkat cell lysate (20 ug)

ab126774 was shown to specifically react with DNAJA1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266437** (knockout cell lysate ab257925) was used. Wild-type and DNAJA1 knockout samples were subjected to SDS-PAGE. **ab126774** 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.

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Mut  ACCTTCTCTCCTTCATTTGGG-----ATGGTACTTCAAAGCCAGTTTCCTATA
      |||
WT   ACCTTCTCTCCTTCATTTGGGTTCTTATCAGGATGGTACTTCAAAGCCAGTTTCCTATA
  
```

Allele-1: 11 bp deletion in exon 2

Sanger Sequencing - Human DNAJA1 knockout HEK293T cell lysate (ab257925)

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Mut  ACCTTCTCTCCTTCATTTGGGATTTCTTATCAGGATGGTACTTCAAAGCCAGTTTCCTATA
      |||
WT   ACCTTCTCTCCTTCATTTGGGTTCTTATCAGGATGGTACTTCAAAGCCAGTTTCCTATA
  
```

Allele-2: 1 bp insertion in exon 2

Sanger Sequencing - Human DNAJA1 knockout HEK293T cell lysate (ab257925)

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