

Human COIL (Coilin) knockout HeLa cell lysate ab257251

画像数 3

製品の概要

製品名	Human COIL (Coilin) 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: 10 bp deletion 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.](#)

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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
ab260123 - Human COIL knockout HeLa cell lysate	1 x 100µg
ab255552 - 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

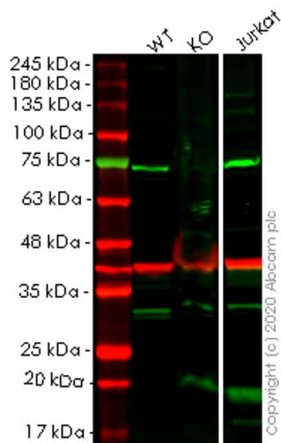
機能 Is a component of the nuclear coiled bodies (CBS) which are involved in the function or assembly/disassembly of nucleoplasmic snRNPs. During mitosis, CBS disassemble, coinciding with a mitotic-specific phosphorylation of p80 coilin.
組織特異性 Found in all the cell types examined.
配列類似性 Belongs to the coilin family.
細胞内局在 Nucleus. Nuclear coiled body located in the interchromatin space between the nucleolus and the 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ab257251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: 62 kDa.

画像



Western blot - Human COIL knockout HeLa cell lysate (ab257251)

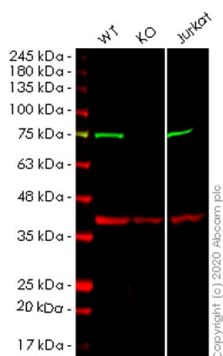
Lane 1: Wild-type HeLa cell lysate (20 µg)

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

Lane 3: Jurkat cell lysate (20 µg)

Lanes 1-3: Merged signal (red and green). Green - **ab177466** observed at 75 kDa. Red - loading control, **ab181602** observed at 37 kDa.

ab177466 Anti-Coilin antibody [EPR7843(N)] - N-terminal was shown to specifically react with Coilin in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab261757** (knockout cell lysate ab257251) was used. Wild-type and Coilin knockout samples were subjected to SDS-PAGE. **ab177466** and Anti-GAPDH antibody [EPR16891] - Loading Control (**ab181602**) were incubated overnight at 4°C at 1 in 500 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 10000 dilution for 1 hour at room temperature before imaging.



Western blot - Human COIL knockout HeLa cell lysate (ab257251)

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

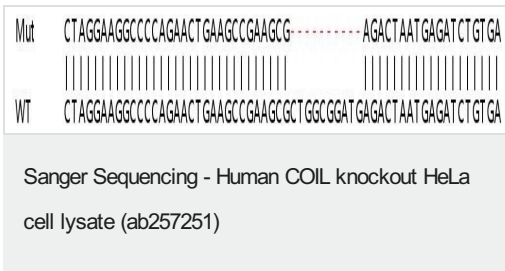
Lane 2: COIL knockout HeLa cell lysate (20 µg)

Lane 3: Jurkat cell lysate (20 µg)

Lanes 1-3: Merged signal (red and green). Green - **ab87913** observed at 75 kDa. Red - loading control, **ab181602** observed at 37 kDa.

ab87913 Anti-Coilin antibody [IH10] was shown to specifically react with Coilin in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab261757** (knockout cell lysate ab257251) was used. Wild-type and Coilin knockout samples were subjected to SDS-PAGE. **ab87913** and Anti-GAPDH antibody [EPR16891] - Loading Control (**ab181602**) were incubated overnight at 4°C at 1 in 500 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 10000 dilution for 1 hour at room temperature before imaging.



Homozygous: 10 bp deletion in exon 1

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