

# Human PDE4B knockout HeLa cell lysate ab257576

画像数 3

### 製品の概要

製品名	Human PDE4B 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, 19 bp deletion in exon12 and 1 bp insertion in exon12.
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
ab260288 - Human PDE4B knockout HeLa cell lysate	1 x 100µg
ab255929 - Human wild-type HeLa cell lysate	1 x 100µg

<b>Cell type</b>	epithelial
<b>Disease</b>	Adenocarcinoma
<b>Gender</b>	Female
<b>STR Analysis</b>	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

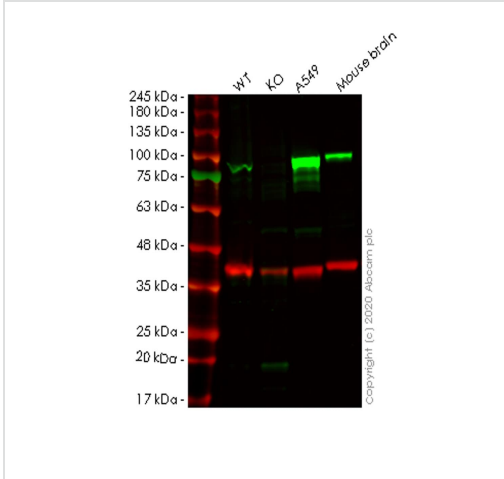
<b>機能</b>	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.
<b>組織特異性</b>	Expressed in brain, heart, lung and skeletal muscle.
<b>パスウェイ</b>	Purine metabolism; 3',5'-cyclic AMP degradation; AMP from 3',5'-cyclic AMP: step 1/1.
<b>配列類似性</b>	Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.

## 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ab257576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: 83 kDa.

## 画像



Western blot - Human PDE4B knockout HeLa cell lysate (ab257576)

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

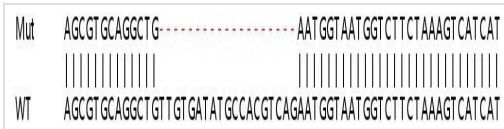
**Lane 2:** PDE4B knockout HeLa cell lysate (20 ug)

**Lane 3:** A549 cell lysate (20 ug)

**Lane 4:** Mouse brain tissue lysate (20 ug)

**ab170939** was shown to specifically react with PDE4B in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265259** (knockout cell lysate ab257576) was used. Wild-type and PDE4B knockout samples were subjected to SDS-PAGE.

**ab170939** and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 500 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 PDE4B knockout HeLa cell lysate (ab257576)

Allele-1: 19 bp deletion in exon12



Sanger Sequencing - Human PDE4B knockout HeLa cell lysate (ab257576)

Allele-2: 1 bp insertion in exon12

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