

Human CNP (CNPase) knockout HeLa cell lysate ab256877

2 图像

概述

产品名称	人CNP (CNPase) knockout HeLa cell裂解物
产品概述	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HeLa
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, Homozygous: 58 bp deletion 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.*

说明

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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经测试应用

适用于: WB

性能

存放说明Store at -80°C. Please refer to protocols.

组件	1 kit
ab260125 - Human CNP 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

靶标

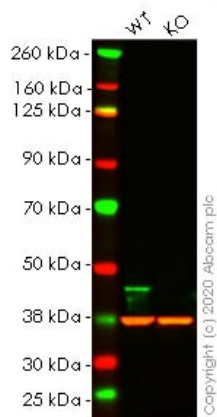
序列相似性	Belongs to the cyclic nucleotide phosphodiesterase family.
细胞定位	Membrane. Melanosome. Firmly bound to membrane structures of brain white matter. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

应用

The Abpromise guaranteeAbpromise™承诺保证使用ab256877于以下的经测试应用
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 48 kDa.

图片



Western blot - Human CNP (CNPase) knockout
HeLa cell lysate (ab256877)

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

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

Lanes 1- 2: Merged signal (red and green). Green - **ab6319** observed at 48 kDa. Red - loading control **ab181602** observed at 37 kDa.

ab6319 Anti-CNPase antibody [11-5B] was shown to specifically react with CNPase in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line **ab264949** (knockout cell lysate ab256877) was used. Wild-type and CNPase knockout samples were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. **ab6319** and Anti-GAPDH antibody[EPR16891] - Loading Control (**ab181602**) were incubated overnight at 4 °C at 5 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 20000 dilution for 1 hour at room temperature before imaging.

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Mut  GCTGCTAGAGTGCAAGAGC .....
      |||||
WT   GCTGCTAGAGTGCAAGAGCCTCTTCATCTTGC GCGGCCTGCCAGGAAGCGCAAGTCCAC
  
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Sanger Sequencing - Human CNP knockout HeLa
cell lysate (ab256877)

Homozygous: 58 bp deletion in exon 2

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

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