

# Human CDH2 (N Cadherin) knockout HEK-293T cell lysate ab263843

## 4 图像

### 概述

产品名称	人CDH2 (N Cadherin) knockout HEK-293T cell裂解物
产品概述	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HEK293T
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 1 bp insertion in exon 4 and 5 bp insertion in exon 4.
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>

### 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
ab255481 - Human CDH2 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

靶标

功能 Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.

序列相似性 Contains 5 cadherin domains.

细胞定位 Cell membrane.

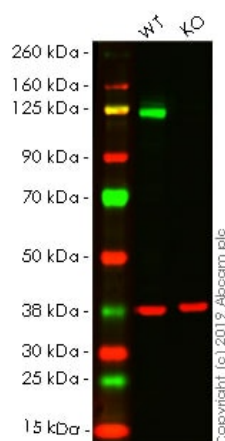
应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab263843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.

图片



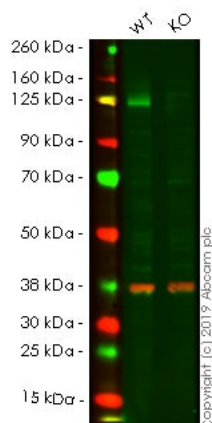
Western blot - Human CDH2 knockout HEK293T cell lysate (ab263843)

**Lane 1:** Wild-type HEK-293T cell lysate (20 µg)

**Lane 2:** CDH2 knockout HEK-293T cell lysate (20 µg)

**Lanes 1 - 2:** Merged signal (red and green). Green - [ab245117](#) observed at 125 kDa. Red - loading control, [ab8245](#) observed at 37 kDa.

[ab245117](#) was shown to react with N Cadherin in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line [ab255377](#) (knockout cell lysate ab263843) was used. Wild-type and N Cadherin knockout samples were subjected to SDS-PAGE. [ab245117](#) 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.



Western blot - Human CDH2 knockout HEK293T cell lysate (ab263843)

**Lane 1:** Wild-type HEK-293T cell lysate (20 µg)

**Lane 2:** CDH2 knockout HEK-293T cell lysate (20 µg)

**Lanes 1 - 2:** Merged signal (red and green). Green - [ab76011](#) observed at 125 kDa. Red - loading control, [ab8245](#) observed at 37 kDa.

[ab76011](#) was shown to react with N Cadherin in wild-type HEK-293T. Loss of signal was observed when knockout cell line [ab255377](#) (knockout cell lysate ab263843) was used. Wild-type and N Cadherin knockout samples were subjected to SDS-PAGE. [ab76011](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 5000 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.

Mut	AATAGTGTCCCAAGACAATTCACTAAGCAACAGTGGCCACCTACAAAGGCAGAAGAGAG
WT	AATAGTGTCCCAAGACAATTCACTAAGCA CAGTGGCCACCTACAAAGGCAGAAGAGAG
Sanger Sequencing - Human CDH2 knockout	
HEK293T cell lysate (ab263843)	

Allele-1: 1 bp insertion in exon 4

Mut	AATAGTGTCCCAAGACAATTCACTAAGCAACAGTGGCCACCTACAAAGGCAGAAG
WT	AATAGTGTCCCAAGACAATTCACTAAGCA CAGTGGCCACCTACAAAGGCAGAAG
Sanger Sequencing - Human CDH2 knockout	
HEK293T cell lysate (ab263843)	

Allele-2: 5 bp insertion in exon 4

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