

### Human MTAP knockout HeLa cell lysate ab257194

#### 5 图像

#### 概述

产品名称	人MTAP 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, 1 bp insertion in exon1 and Insertion of the selection cassette in exon1.
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
ab261983 - Human MTAP knockout HeLa cell lysate	1 x 100µg
ab255929 - 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

功能	Plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine.
组织特异性	Ubiquitously expressed.
序列相似性	Belongs to the PNP/MTAP phosphorylase family.
细胞定位	Cytoplasm.

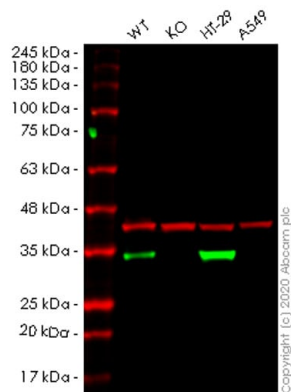
应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab257194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: 31 kDa.

图片



Western blot - Human MTAP knockout HeLa cell lysate (ab257194)

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

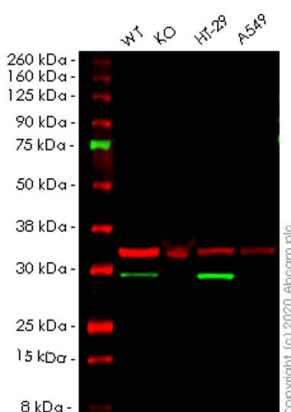
**Lane 2:** MTAP knockout HeLa cell lysate (20 µg)

**Lane 3:** HT-29 cell lysate (20 µg)

**Lane 4:** A549 cell lysate (20 µg)

**Lanes 1-4:** Merged signal (red and green). Green - **ab254265** observed at 32 kDa. Red - loading control, **ab8245** observed at 37 kDa.

**ab254265** Anti-MTAP antibody [EPR22570-76] was shown to specifically react with MTAP in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265272** (knockout cell lysate ab257194) was used. Wild-type and MTAP knockout samples were subjected to SDS-PAGE. **ab254265** 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 10000 dilution for 1 hour at room temperature before imaging.



Western blot - Human MTAP knockout HeLa cell lysate (ab257194)

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

**Lane 2:** MTAP knockout HeLa cell lysate (20 µg)

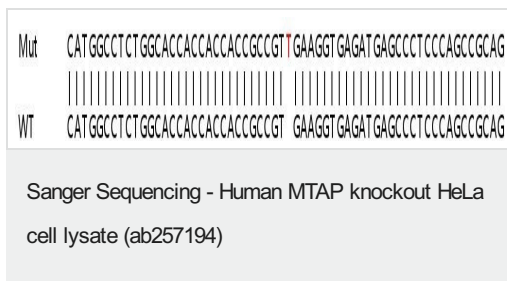
**Lane 3:** HT-29 cell lysate (20 µg)

**Lane 4:** A549 cell lysate (20 µg)

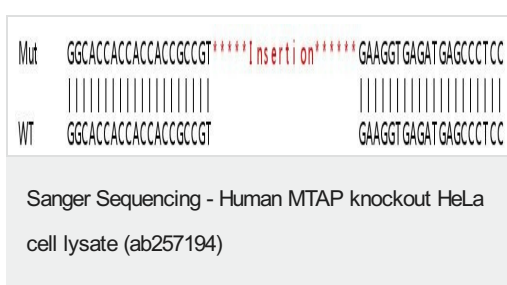
**anes 1- 4:** Merged signal (red and green). Green - **ab126770** observed at 32 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) observed at 37 kDa.

**ab126770** Anti-MTAP antibody [EPR6893] was shown to specifically react with MTAP in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265272** (knockout cell lysate ab257194) was used. Wild-type and MTAP knockout samples were subjected to SDS-PAGE. **ab126770** 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 10000 dilution for 1 hour at room temperature before imaging.



Allele-1: 1 bp insertion in exon1



Allele-2: Insertion of the selection cassette in exon1



Allele-3: Insertion of the selection cassette in exon1

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