

# Human PNP (Nucleoside phosphorylase) knockout HEK-293T cell lysate ab257594

画像数 3

### 製品の概要

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製品名	Human PNP (Nucleoside phosphorylase) knockout HEK-293T cell lysate
製品の概要	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HEK293T
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, Homozygous: 1 bp insertion 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. <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
ab260298 - Human PNP 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

## ターゲット情報

**関連疾患** Defects in PNP are the cause of purine nucleoside phosphorylase deficiency (PNP deficiency) [MIM:613179]. It leads to a severe T-cell immunodeficiency with neurologic disorder in children.

**配列類似性** Belongs to the PNP/MTAP phosphorylase family.

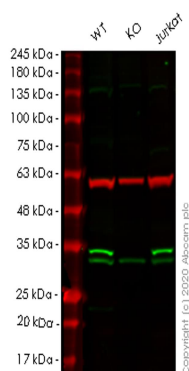
**細胞内局在** Cytoplasm > cytoskeleton.

## 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ab257594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: 32 kDa.

## 画像



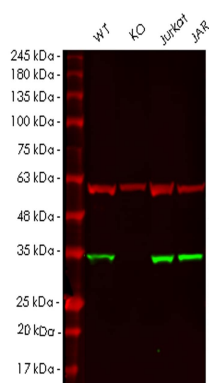
Western blot - Human PNP knockout HEK293T cell lysate (ab257594)

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

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

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

**ab109447** was shown to specifically react with Nucleoside phosphorylase in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab266158** (knockout cell lysate ab257594) was used. Wild-type and Nucleoside phosphorylase knockout samples were subjected to SDS-PAGE. **ab109447** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated at room temperature for 2.5 hours 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 PNP knockout HEK293T cell lysate (ab257594)

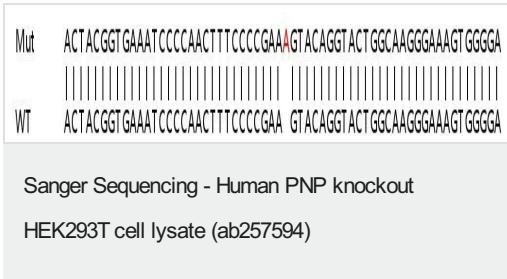
**Lane 1:** Wild-type HeLa cell lysate (20 ug)

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

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

**Lane 4:** JAR cell lysate (20 ug)

**ab109559** was shown to specifically react with Nucleoside phosphorylase in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab266158** (knockout cell lysate ab257594) was used. Wild-type and Nucleoside phosphorylase knockout samples were subjected to SDS-PAGE. **ab109559** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated at room temperature for 2.5 hours 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.



Homozygous: 1 bp insertion in exon 2

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

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