

### Anti-HPRT antibody [EPR5298] ab133242

敲除验证 重组 RabMAb

★★★★★ [2 Abreviews](#) [3 References](#) [3 图像](#)

#### 概述

产品名称	Anti-HPRT抗体[EPR5298]
描述	兔单克隆抗体[EPR5298] to HPRT
宿主	Rabbit
经测试应用	<b>适用于:</b> WB <b>不适用于:</b> Flow Cyt, ICC/IF or IHC-P
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5298
同种型	IgG

#### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab133242 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	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 25 kDa.

### 应用说明

Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

### 靶标

### 功能

Converts guanine to guanosine monophosphate, and hypoxanthine to inosine monophosphate. Transfers the 5-phosphoribosyl group from 5-phosphoribosylpyrophosphate onto the purine. Plays a central role in the generation of purine nucleotides through the purine salvage pathway.

### 通路

Purine metabolism; IMP biosynthesis via salvage pathway; IMP from hypoxanthine: step 1/1.

### 疾病相关

Defects in HPRT1 are the cause of Lesch-Nyhan syndrome (LNS) [MIM:300322]. LNS is characterized by complete lack of enzymatic activity that results in hyperuricemia, choreoathetosis, mental retardation, and compulsive self-mutilation. Defects in HPRT1 are the cause of gout HPRT-related (GOUT-HPRT) [MIM:300323]; also known as HPRT-related gout or Kelley-Seegmiller syndrome. Gout is characterized by partial enzyme activity and hyperuricemia.

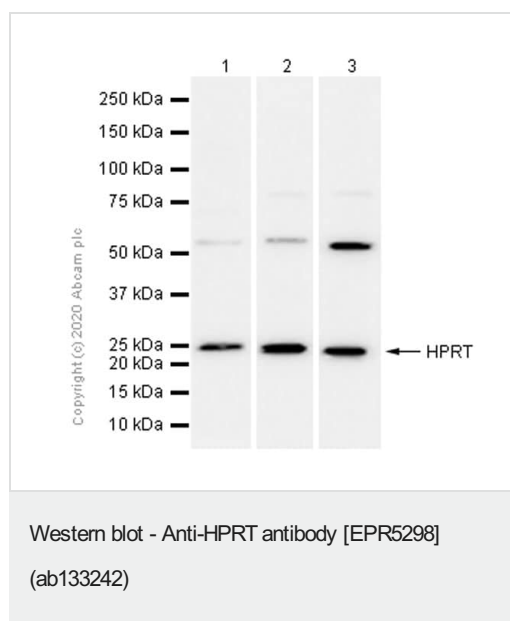
### 序列相似性

Belongs to the purine/pyrimidine phosphoribosyltransferase family.

### 细胞定位

Cytoplasm.

### 图片



**All lanes** : Anti-HPRT antibody [EPR5298] (ab133242) at 1/1000 dilution (Purified)

**Lane 1** : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

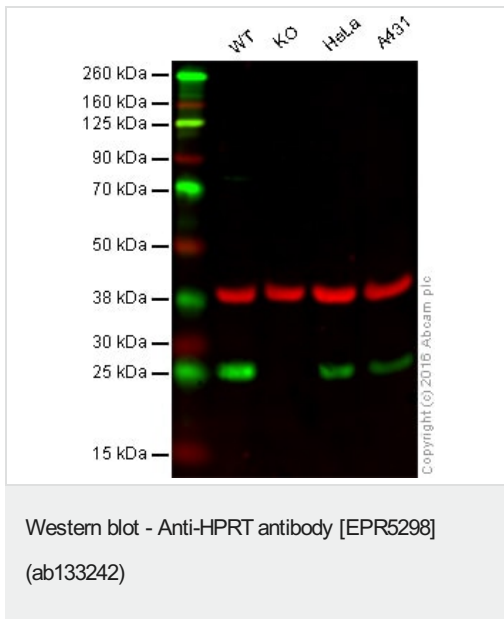
**Lane 2** : Mouse brain lysate

**Lane 3** : Rat brain lysate

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 25 kDa



**Lane 1:** Wild type HAP1 whole cell lysate (20 µg)

**Lane 2:** HPRT1 knockout HAP1 whole cell lysate (20 µg)




**Lane 3:** HeLa whole cell lysate (20 µg)

**Lane 4:** A431 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab133242 observed at 25 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab133242 was shown to specifically react with HPRT1 in wild-type HAP1 cells. No band was observed when HPRT1 knockout samples were used. Wild-type and HPRT1 knockout samples were subjected to SDS-PAGE. ab133242 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/1000 and 1/10,000 respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-HPRT antibody [EPR5298] (ab133242)

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

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