

### Anti-Gankyrin antibody [EPR14456(2)] ab188315

敲除验证 重组 RabMAb

★★★★★ [4 Abreviews](#) [6 图像](#)

#### 概述

产品名称	Anti-Gankyrin抗体[EPR14456(2)]
描述	兔单克隆抗体[EPR14456(2)] to Gankyrin
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Hela, HepG2, 293, C6, Raw264.7 and K562 cell lysates. HeLa cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR14456(2)
同种型	IgG

## 应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab188315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
Flow Cyt (Intra)		1/110. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 24 kDa.

## 靶标

### 功能

Acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module.

Acts as an proto-oncoprotein by being involved in negative regulation of tumor suppressors RB1 and p53/TP53. Overexpression is leading to phosphorylation of RB1 and proteasomal degradation of RB1. Regulates CDK4-mediated phosphorylation of RB1 by competing with CDKN2A for binding with CDK4. Facilitates binding of MDM2 to p53/TP53 and the mono- and polyubiquitination of p53/TP53 by MDM2 suggesting a function in targeting the TP53:MDM2 complex to the 26S proteasome. Involved in p53-independent apoptosis. Involved in regulation of NF-kappa-B by retaining it in the cytoplasm. Binds to the NF-kappa-B component RELA and accelerates its XPO1/CRM1-mediated nuclear export.

### 组织特异性

Overexpressed in hepatocellular carcinomas.

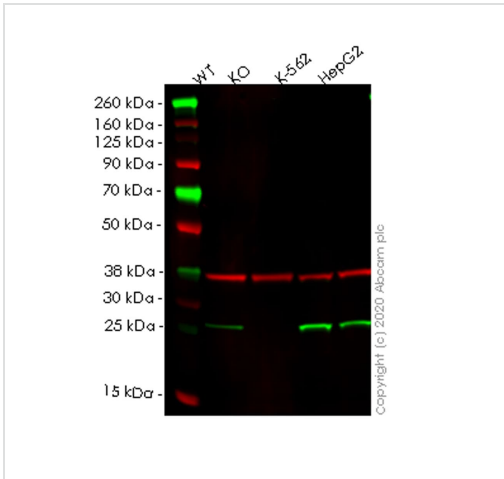
### 序列相似性

Contains 7 ANK repeats.

### 细胞定位

Cytoplasm. Nucleus.

## 图片



Western blot - Anti-Gankyrin antibody [EPR14456(2)] (ab188315)

**All lanes** : Anti-Gankyrin antibody [EPR14456(2)] (ab188315) at 1/1000 dilution

**Lane 1** : Wild-type HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 2** : PSMD10 knockout HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 3** : K562 (Human chronic myelogenous leukemia lymphoblast cell line) whole cell lysate

**Lane 4** : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

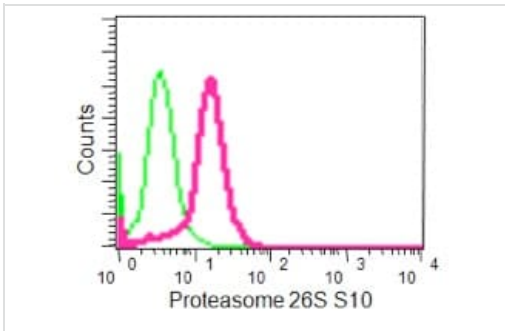
**All lanes** : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

**Predicted band size:** 24 kDa

**Observed band size:** 24 kDa

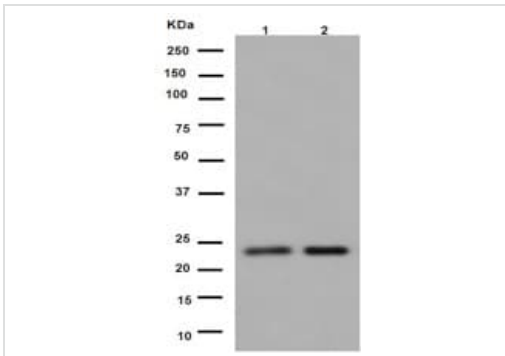
**Lanes 1-4:** Merged signal (red and green). Green - ab188315 observed at 24 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab188315 Anti-Gankyrin antibody [EPR14456(2)] was shown to specifically react with Gankyrin in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265680** (knockout cell lysate **ab258146**) was used. Wild-type and Gankyrin knockout samples were subjected to SDS-PAGE. ab188315 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.



Flow Cytometry (Intracellular) - Anti-Gankyrin antibody [EPR14456(2)] (ab188315)

Intracellular flow cytometric analysis of HeLa cells fixed in 2% paraformaldehyde labeling Gankyrin with ab188315 at 1/110 dilution and Goat anti-rabbit IgG (FITC) at 1/150 dilution. Rabbit monoclonal IgG was used as an isotype control.



Western blot - Anti-Gankyrin antibody [EPR14456(2)] (ab188315)

**All lanes** : Anti-Gankyrin antibody [EPR14456(2)] (ab188315) at 1/1000 dilution

**Lane 1** : C6 cell lysate

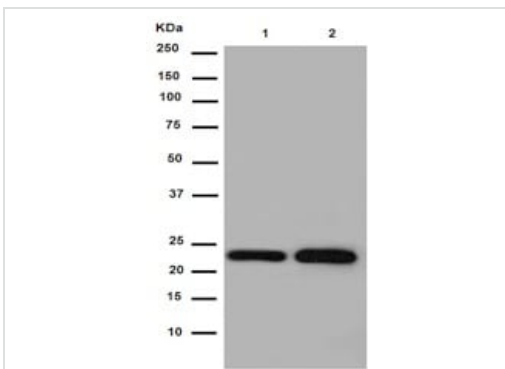
**Lane 2** : Raw 264.7 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 24 kDa



Western blot - Anti-Gankyrin antibody [EPR14456(2)] (ab188315)

**All lanes** : Anti-Gankyrin antibody [EPR14456(2)] (ab188315) at 1/1000 dilution

**Lane 1** : HepG2 cell lysate

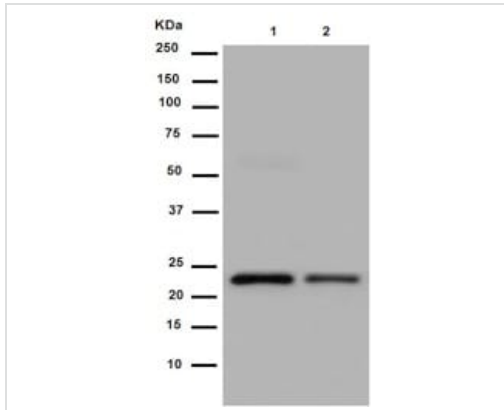
**Lane 2** : 293 cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 24 kDa



Western blot - Anti-Gankyrin antibody  
[EPR14456(2)] (ab188315)

**All lanes :** Anti-Gankyrin antibody [EPR14456(2)] (ab188315) at  
1/10000 dilution

**Lane 1 :** K562 cell lysate

**Lane 2 :** HeLa cell lysate





Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at  
1/1000 dilution

**Predicted band size:** 24 kDa

Why choose a recombinant antibody?

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

Anti-Gankyrin antibody [EPR14456(2)] (ab188315)

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

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