

### Anti-GAB1 antibody [EPR375] ab133486

敲除验证
重组
RabMAb

[9 References](#)
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#### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-GAB1抗体[EPR375]   |
| 描述    | 兔单克隆抗体[EPR375] to GAB1  |
| 宿主    | Rabbit  |
| 经测试应用 | <b>适用于:</b> WB, IP<br><b>不适用于:</b> IHC-P  |
| 种属反应性 | <b>与反应:</b> Human   |
| 免疫原   | Synthetic peptide within Human GAB1 aa 500-600. The exact sequence is proprietary.<br>Database link: <a href="#">Q13480</a>   |
| 阳性对照  | WB: HepG2, K562, 293T, and SH-SY5Y cell lysates   |
| 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> .<br><br>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> .<br><br>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. |

#### 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.<br>Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 40% Glycerol, 0.05% BSA, 59% PBS                              |
| 纯度   | Protein A purified   |

克隆单克隆

克隆编号EPR375

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab133486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 |      | 1/1000 - 1/10000. Predicted molecular weight: 77 kDa. |
| IP |      | 1/10 - 1/100.   |

应用说明

Is unsuitable for IHC-P.

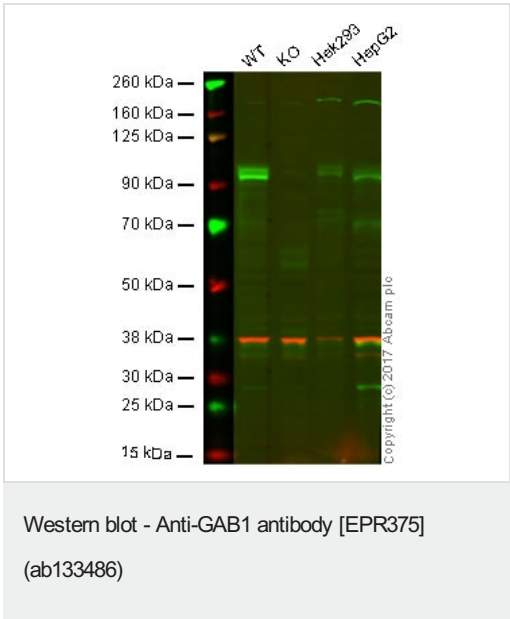
靶标

功能Probably involved in EGF and insulin receptor signaling.

序列相似性Belongs to the GAB family.  
Contains 1 PH domain.

翻译后修饰Phosphorylated on tyrosine residue(s) by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Tyrosine phosphorylation of GAB1 mediates interaction with several proteins that contain SH2 domains.

图片

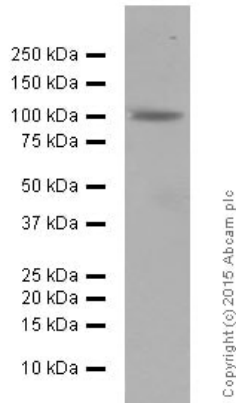


**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)  
**Lane 2:** GAB1 knockout HAP1 whole cell lysate (20 µg)  
**Lane 3:** Hek293 whole cell lysate (20 µg)  
**Lane 4:** HepG2 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab133486 observed at 100 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

ab133486 was shown to recognize GAB1 in wild-type HAP1 cells as signal was lost at the expected MW in GAB1 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and GAB1 knockout samples were subjected to SDS-PAGE. Ab133486 and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/10000 dilution 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 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-GAB1 antibody [EPR375]  
(ab133486)

Anti-GAB1 antibody [EPR375] (ab133486) at 1/2000 dilution  
(purified) + K562 cell lysate at 10 µg

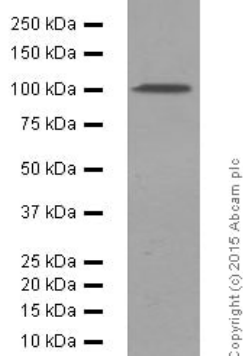
#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution  
(Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 77 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-GAB1 antibody [EPR375]  
(ab133486)

Anti-GAB1 antibody [EPR375] (ab133486) at 1/2000 dilution  
(purified) + HEK293 cell lysate at 10 µg

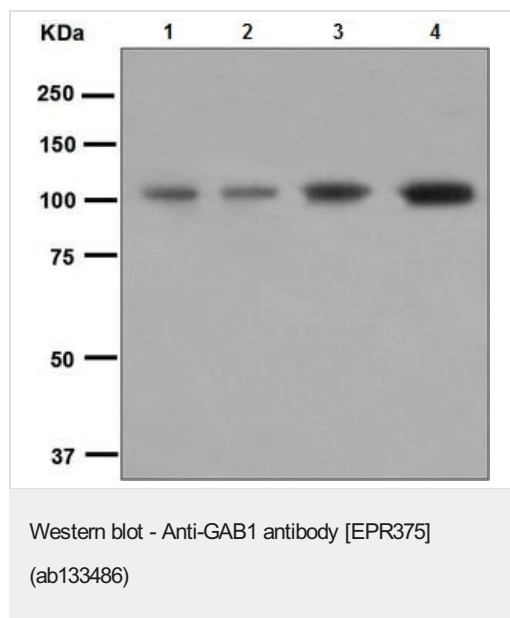
#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution  
(Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 77 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



**All lanes :** Anti-GAB1 antibody [EPR375] (ab133486) at 1/1000 dilution (unpurified)

**Lane 1 :** HepG2 cell lysate

**Lane 2 :** K562 cell lysate

**Lane 3 :** 293T cell lysate

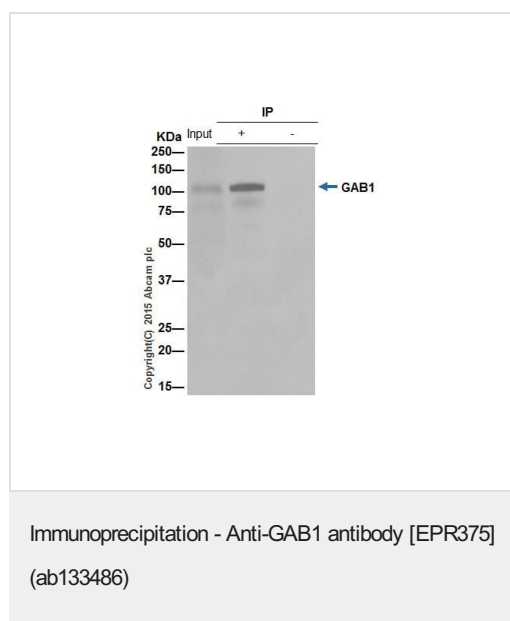
**Lane 4 :** SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 77 kDa



ab133486 (purified) at 1/80 immunoprecipitating GAB1 in HEK293 whole cell lysate. 10 ug of cell lysate was present in the input. For western blotting, a HRP-conjugated Veriblot for IP Detection Reagent (**ab131366**) (1/10,000) was used for detection. A rabbit monoclonal IgG (**ab172730**) was used instead of **ab128913** as a negative control (Lane 3).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-GAB1 antibody [EPR375] (ab133486)

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

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