

Anti-GNB2 antibody [EP3262Y] ab108504

敲除验证 重组 RabMAb

1 References 3 图像

概述

产品名称	Anti-GNB2抗体[EP3262Y]
描述	兔单克隆抗体[EP3262Y] to GNB2
宿主	Rabbit
经测试应用	适用于: 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	WB: HeLa, SH-SY5Y, Jurkat and NIH3T3 cell lysates. Rat and Mouse brain lysate
常规说明	<p>This product has switched from a hybridoma to recombinant production method on 18th September 2023</p> <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® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</p>

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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EP3262Y
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab108504于以下的经测试应用

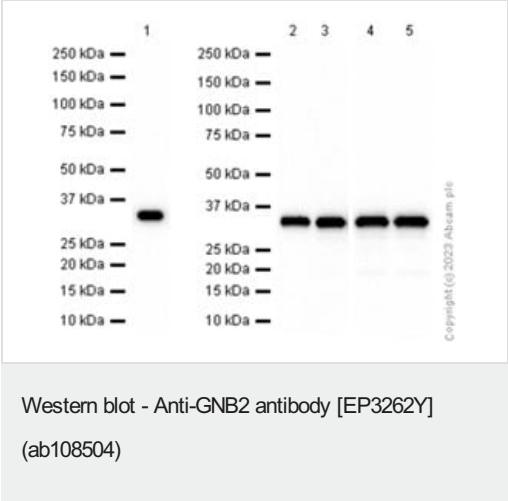
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 37 kDa). For the unpurified version use at 1/1000 to 1/10000 dilution

靶标

功能	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
序列相似性	Belongs to the WD repeat G protein beta family. Contains 7 WD repeats.
细胞定位	Cytoplasm > perinuclear region.

图片



**All lanes :** Anti-GNB2 antibody [EP3262Y] (ab108504) at 1/1000 dilution

**Lane 1 :** SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate at 15 µg

**Lane 2 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate at 20 µg

**Lane 3 :** NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate at 20 µg

**Lane 4 :** Mouse brain lysate at 20 µg

**Lane 5 :** Rat brain lysate at 20 µg

Developed using the ECL technique.

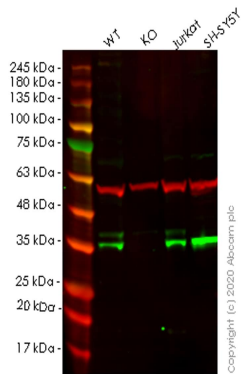
Performed under reducing conditions.

**Predicted band size:** 37 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Secondary antibody: incubated for 1h at 1:20,000 at room temperature ([ab97051](#)); incubated for 1h at 1:2000 at room temperature (Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG)

Exposure time: Lane 1, 5 seconds. Lanes 2 and 3, 10 seconds. Lanes 4 and 5, 3 seconds.



Western blot - Anti-GNB2 antibody [EP3262Y] (ab108504)

**All lanes** : Anti-GNB2 antibody [EP3262Y] (ab108504) at 1/1000 dilution

**Lane 1** : Wild-type HeLa cell lysate

**Lane 2** : GNB2 knockout HeLa cell lysate

**Lane 3** : Jurkat cell lysate

**Lane 4** : SH-SY5Y 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:** 37 kDa

**Observed band size:** 35 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab108504 observed at 35 kDa. Red - loading control [ab7291](#) observed at 50 kDa.

ab108504 Anti-GNB2 antibody [EP3262Y] was shown to specifically react with GNB2 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab266528](#) (knockout cell lysate [ab257453](#)) was used. Wild-type and GNB2 knockout samples were subjected to SDS-PAGE. ab108504 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.

### 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-GNB2 antibody [EP3262Y] (ab108504)

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

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