


### Anti-GABARAP antibody [EPR4806] ab109299

**重组** RabMAb

☆☆☆☆☆ **3 Abreviews** **1 References** **4 图像**

#### 概述

产品名称	Anti-GABARAP抗体[EPR4806]
描述	兔单克隆抗体[EPR4806] to GABARAP
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IHC-P <b>不适用于:</b> Flow Cyt
种属反应性	<b>与反应:</b> Human <b>预测可用于:</b> Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	SH-SY5Y cell lysate, Human fetal brain tissue lysate, Flag-GABARAP, Human heart tissue, Human brain tissue.
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> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>

纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4806
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab109299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。

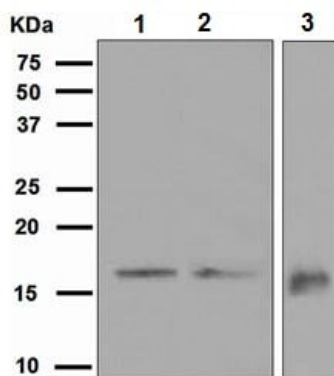
应用	Ab评论	说明
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 17 kDa (predicted molecular weight: 14 kDa).
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**应用说明** Is unsuitable for Flow Cyt.

靶标

功能	Ubiquitin-like modifier that plays a role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton. Involved in apoptosis. Involved in autophagy. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.
组织特异性	Heart, brain, placenta, liver, skeletal muscle, kidney and pancreas.
序列相似性	Belongs to the ATG8 family.
翻译后修饰	The precursor molecule is cleaved by ATG4B to form the cytosolic form, GABARAP-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, GABARAP-II.
细胞定位	Endomembrane system. Cytoplasm, cytoskeleton. Golgi apparatus membrane. Cytoplasmic vesicle, autophagosome. Largely associated with intracellular membrane structures including the Golgi apparatus and postsynaptic cisternae. Colocalizes with microtubules (By similarity). Localizes also to discrete punctae along the ciliary axoneme (By similarity).

图片



Western blot - Anti-GABARAP antibody [EPR4806]  
(ab109299)

**All lanes :** Anti-GABARAP antibody [EPR4806] (ab109299) at  
1/1000 dilution

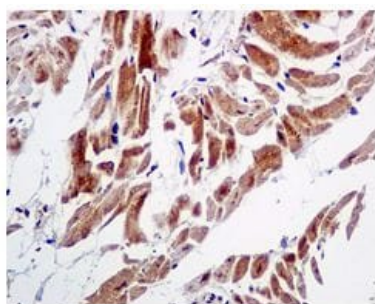
**Lane 1 :** Human fetal brain tissue lysate at 10 µg

**Lane 2 :** SH-SY5Y cell lysate at 10 µg

**Lane 3 :** Flag-GABARAP

**Predicted band size:** 14 kDa

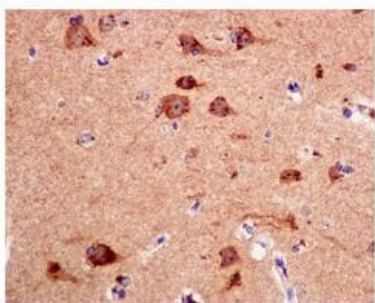
**Observed band size:** 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-GABARAP antibody  
[EPR4806] (ab109299)

ab109299, at 1/100 dilution, staining GABARAP in Human heart  
tissue by immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6  
before commencing with IHC staining protocol.



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### 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-GABARAP antibody [EPR4806] (ab109299)

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

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