

### Anti-BRN3A antibody [EP1972Y] ab81213

**重组 RabMAb**

★★★★☆ **6 Abreviews** **16 References** **6 图像**

#### 概述

<b>产品名称</b>	Anti-BRN3A抗体[EP1972Y]
<b>描述</b>	兔单克隆抗体[EP1972Y] to BRN3A
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt (Intra), WB <b>不适用于:</b> ICC/IF or IP
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide within Human BRN3A aa 300-400 (C terminal). The exact sequence is proprietary.
<b>阳性对照</b>	WB: Human brain lysate; SW480; Mouse cerebellum; Rat brain; Rat spinal cord. ICC/IF: HeLa cells. Flow Cyt (intra): SH-SY5Y cells.
<b>常规说明</b>	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

<b>形式</b>	Liquid
<b>存放说明</b>	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.
<b>存储溶液</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>纯度</b>	Protein A purified
<b>克隆</b>	单克隆
<b>克隆编号</b>	EP1972Y

同种型

IgG

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab81213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)		1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. For unpurified use at 1/90.
WB	★★★★★ (1)	1/2000. Predicted molecular weight: 43 kDa. <b>For unpurified use at 1/500 - 1/1000.</b>

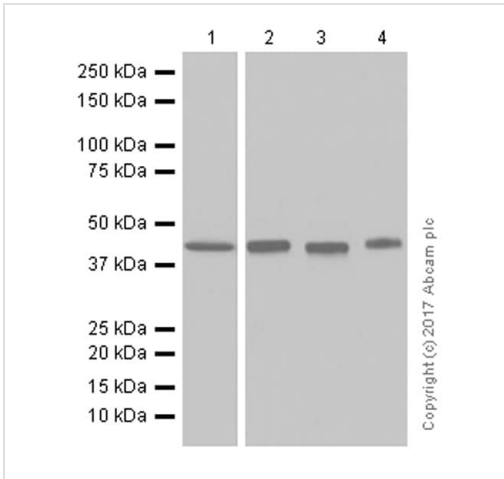
## 应用说明

Is unsuitable for ICC/IF or IP.

## 靶标

功能	Probable transcription factor which may play a role in the regulation of specific gene expression within a subset of neuronal lineages. May play a role in determining or maintaining the identities of a small subset of visual system neurons.
组织特异性	Brain. Seems to be specific to the retina. Present in the developing brain, spinal cord and eye.
序列相似性	Belongs to the POU transcription factor family. Class-4 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
发展阶段	Expression peaks early in embryogenesis (day 13.5) and is undetectable 14 days after birth.
细胞定位	Nucleus.

## 图片



Western blot - Anti-BRN3A antibody [EP1972Y] (ab81213)

**All lanes** : Anti-BRN3A antibody [EP1972Y] (ab81213) at 1/2000 dilution (purified)

**Lane 1** : SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

**Lane 2** : Mouse cerebellum lysates

**Lane 3** : Rat brain lysates

**Lane 4** : Rat spinal cord lysates

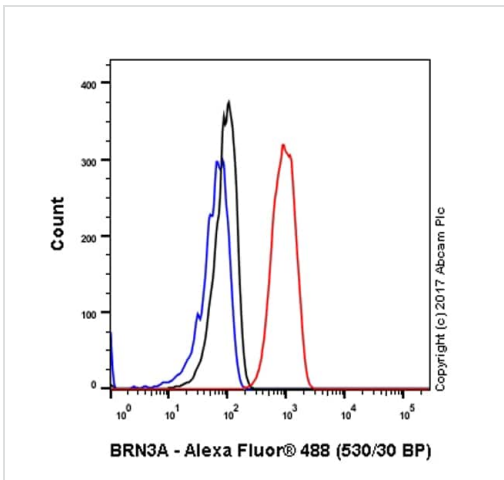
Lysates/proteins at 20 µg per lane.

**Secondary**

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

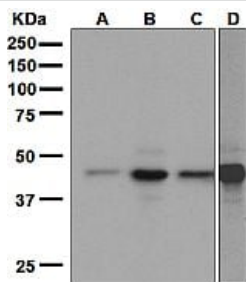
**Predicted band size:** 43 kDa

Blocking and diluting buffer: 5% NFDm/TBST.



Flow Cytometry (Intracellular) - Anti-BRN3A antibody [EP1972Y] (ab81213)

Intracellular Flow Cytometry analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labeling BRN3A with purified ab81213 at 1/100 dilution (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-BRN3A antibody [EP1972Y]  
(ab81213)

**All lanes :** Anti-BRN3A antibody [EP1972Y] (ab81213) (unpurified)

**Lane 1 :** LNCaP

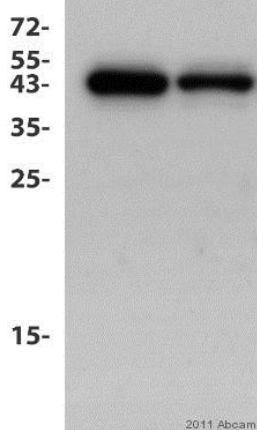
**Lane 2 :** SW480

**Lane 3 :** PC-3

**Lane 4 :** Human brain lysate

**Predicted band size:** 43 kDa

**Observed band size:** 43 kDa



Western blot - Anti-BRN3A antibody [EP1972Y]  
(ab81213)

This image is courtesy of an Anonymous Abreview.

**All lanes :** Anti-BRN3A antibody [EP1972Y] (ab81213) at 1/2000 dilution (unpurified)

**Lane 1 :** Adult mouse cerebellum lysate

**Lane 2 :** Adult mouse lower brainstem lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

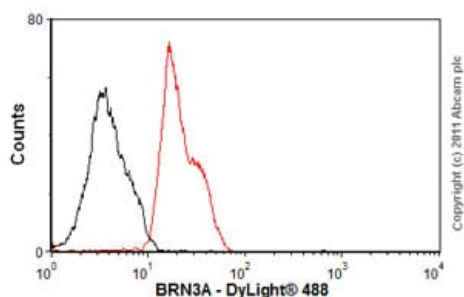
**All lanes :** HRP-conjugated Mouse anti-Rabbit IgG monoclonal. at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size:** 43 kDa

**Observed band size:** 43 kDa


**Exposure time:** 2 minutes



Flow Cytometry (Intracellular) - Anti-BRN3A antibody  
[EP1972Y] (ab81213)

Overlay histogram showing SH-SY5Y cells stained with unpurified ab81213 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab81213, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

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-BRN3A antibody [EP1972Y] (ab81213)

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

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