abcam

Product datasheet

# Alexa Fluor® 647 Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Marker ab198367

重组 RabMAb

3 Abreviews 4 References 2 图像

## 概述

| | |
|---|---|
| **产品名称** | Alexa Fluor® 647荧光Anti-Sodium Potassium ATPase抗体[EP1845Y] - Plasma膜Marker |
| **描述** | Alexa Fluor® 647荧光兔单克隆抗体[EP1845Y] to Sodium Potassium ATPase - Plasma膜Marker |
| **宿主** | Rabbit |
| **偶联物** | Alexa Fluor® 647. Ex: 652nm, Em: 668nm |
| **经测试应用** | **适用于:** ICC/IF |
| **种属反应性** | **与反应:** Human<br>**预测可用于:** Mouse, Rat, Tilapia |
| **免疫原** | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| **阳性对照** | ICC/IF: HeLa cells. |
| **常规说明** | Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.<br>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**. |

## 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. Avoid freeze / thaw cycle. Store In the Dark. |
| **存储溶液** | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA |
| **纯度** | Protein A purified |
| **克隆** | 单克隆 |
| **克隆编号** | EP1845Y |
| **同种型** | IgG |

## 应用

**The Abpromise guarantee** Abpromise™承诺保证使用ab198367于以下的经测试应用

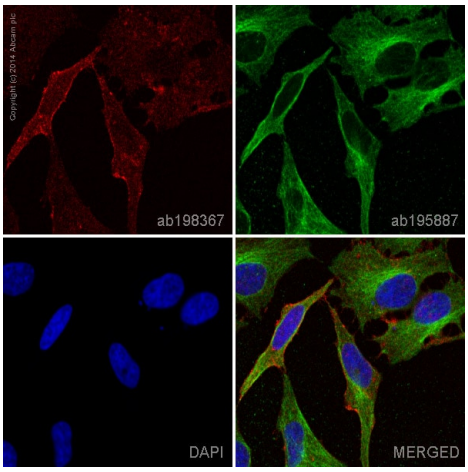
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|---|---|---|
| **ICC/IF** | ★★★★☆ (1) | 1/100.<br>This product gave a positive signal in HeLa cells fixed with 100% methanol (5 min). |

## 靶标

| | |
|---|---|
| **功能** | This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients. |
| **序列相似性** | Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIC subfamily. |
| **翻译后修饰** | Phosphorylation on Tyr-10 modulates pumping activity. |
| **细胞定位** | Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. |

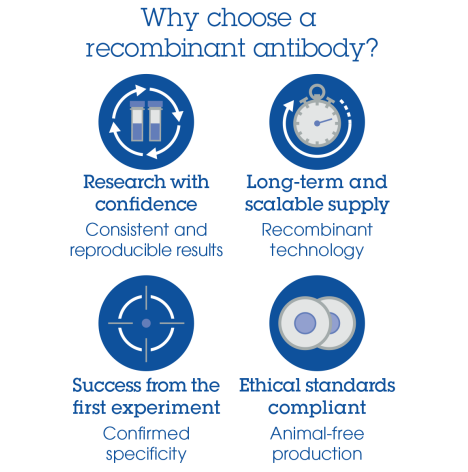
## 图片




Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Marker (ab198367)

ab198367 staining Sodium Potassium ATPase in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab198367 at a 1/100 dilution (shown in red) and **ab195887**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at a 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).




Alexa Fluor® 647 Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Marker (ab198367)

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors