


PE Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control ab209299

重组 RabMAb

2 References 2 图像

概述

产品名称	PE Anti-Sodium Potassium ATPase抗体[EP1845Y] - Plasma膜Loading Control
描述	PE兔单克隆抗体[EP1845Y] to Sodium Potassium ATPase - Plasma膜Loading Control
宿主	Rabbit
偶联物	PE. Ex: 488nm, Em: 575nm
特异性	This antibody recognizes an intracellular epitope.
经测试应用	适用于: Flow Cyt (Intra)
种属反应性	与反应: Human 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	Flow Cyt (intra): HeLa cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze. Store In the Dark.
存储溶液	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 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ab209299于以下的经测试应用

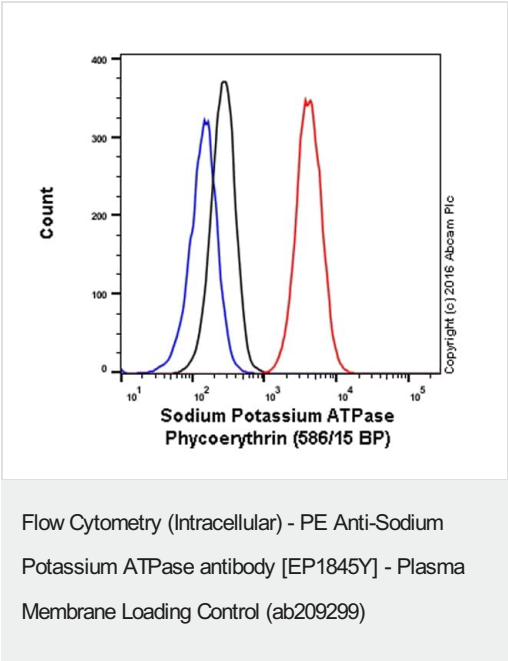
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/2500.

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



Overlay histogram showing HeLa cells stained with ab209299 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab209299, 1/2500 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was rabbit IgG (monoclonal) Phycoerythrin ([ab209478](#)) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 50mW Yellow-Green laser (561nm) and 586/15 bandpass filter.

This antibody gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min)/permeabilized with 0.1% PBS-Triton X-100 for 15 min used under the same conditions.

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

PE Anti-Sodium Potassium ATPase antibody
[EP1845Y] - Plasma Membrane Loading Control
(ab209299)

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

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