

## Product datasheet

# Anti-INPP4A antibody [EP3425(2)] ab109622

敲除验证
重组
RabMAb

1 References 3 图像

### 概述

产品名称	Anti-INPP4A抗体[EP3425(2)]
描述	兔单克隆抗体[EP3425(2)] to INPP4A
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC 不适用于: Flow Cyt or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human INPP4A aa 50-150. The exact sequence is proprietary.
阳性对照	Fetal brain and Jurkat cell lysates. Human brain tissue.
常规说明	

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#)

This product is a recombinant rabbit monoclonal antibody.

### 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	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EP3425(2)
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab109622** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 104 kDa (predicted molecular weight: 110 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)
ICC		1/100 - 1/250.

**应用说明** Is unsuitable for Flow Cyt or IP.

## 靶标

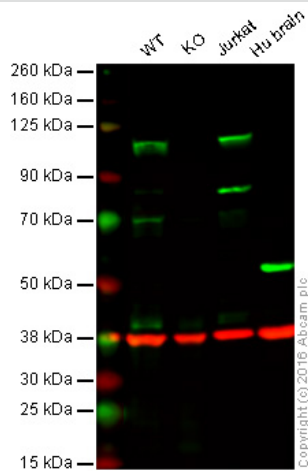
**功能** Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-bisphosphate.

**组织特异性** Isoform 1 is expressed in the platelets, MEG-01 megakaryocytes and Jurkat T-cells. Isoform 2 is expressed in the brain.

**通路** Signal transduction; phosphatidylinositol signaling pathway.

**序列相似性** Belongs to the inositol-3,4-bisphosphate 4-phosphatase family.  
Contains 1 C2 domain.

## 图片



Western blot - Anti-INPP4A antibody [EP3425(2)] (ab109622)

**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

**Lane 2:** INPP4A knockout HAP1 cell lysate (20 µg)

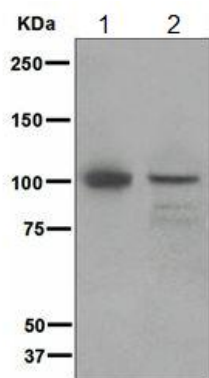
**Lane 3:** Jurkat cell lysate (20 µg)

**Lane 4:** Human foetal brain tissue lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green).

Green - ab109622 observed at 100 kDa. Red - loading control, ab8245, observed at 37 kDa.

ab109622 was shown to specifically react with INPP4A when INPP4A knockout samples were used, along with additional cross-reactive bands. Wild-type and INPP4A knockout samples were subjected to SDS-PAGE. Ab109622 and ab8245 (loading control to GAPDH) were diluted at 1/500 and 1/10,000 dilution respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) and Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-INPP4A antibody [EP3425(2)] (ab109622)

**All lanes :** Anti-INPP4A antibody [EP3425(2)] (ab109622) at 1/1000 dilution

**Lane 1 :** Fetal brain lysate

**Lane 2 :** Jurkat cell lysate

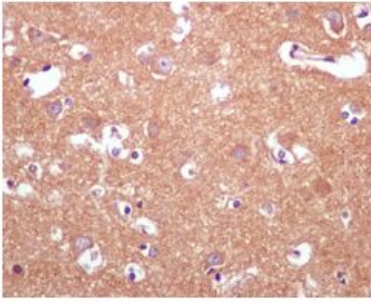
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** HRP-labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 110 kDa

**Observed band size:** 104 kDa



ab109622 at 1/100 dilution staining INPP4A in paraffin-embedded Human brain tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INPP4A antibody [EP3425(2)] (ab109622)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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