

Anti-INPP4B antibody [EPR3108Y] ab81269

重组 RabMAb

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概述

| | |
|-------|---|
| 产品名称 | Anti-INPP4B抗体[EPR3108Y] |
| 描述 | 兔单克隆抗体[EPR3108Y] to INPP4B |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: Flow Cyt (Intra), ICC/IF, WB, IHC-P 不适用于: IP |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide within Human INPP4B aa 1-100 (N terminal). The exact sequence is proprietary. Database link: O15327 |
| 阳性对照 | WB: MCF7 and A-204 whole cell lysate; Human skeletal muscle lysate Flow Cyt (intra): MCF7 cells; IHC: human lung carcinoma tissue, human breast carcinoma tissue; ICC: MCF7 cells; |
| 常规说明 | This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . |

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 long term. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |

克隆编号 EPR3108Y

同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab81269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. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. Unpurified version to be used at 1/100 dilution. |
| ICC/IF | | 1/50. |
| WB | | 1/1000 - 1/5000. Detects a band of approximately 107 kDa (predicted molecular weight: 107 kDa). |
| IHC-P | | 1/50. Perform heat mediated antigen retrieval by microwaving the slides in Tris-EDTA buffer pH 9 at 650 W for 30 minutes. |

应用说明 Is unsuitable for IP.

靶标

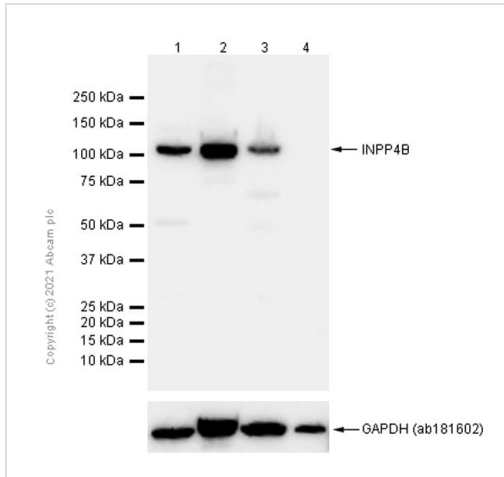
功能 Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate.

组织特异性 Widely expressed with highest levels occurring in the skeletal muscle and heart.

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-INPP4B antibody [EPR3108Y] (ab81269)

All lanes : Anti-INPP4B antibody [EPR3108Y] (ab81269) at 1/1000 dilution (Purified)

Lane 1 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : Human skeletal muscle lysate

Lane 3 : A-204 (Human muscle rhabdomyosarcoma) whole cell lysate

Lane 4 : PANC-1 (Human pancreatic epithelioid carcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

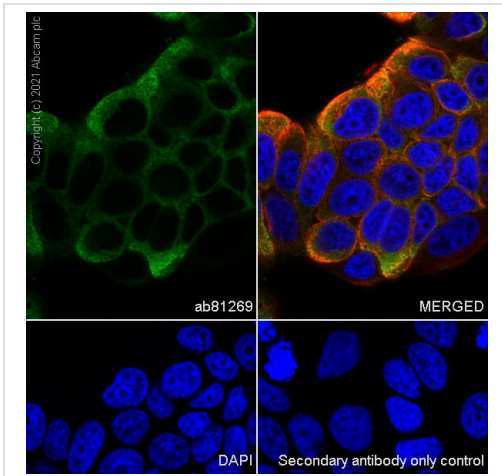
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 107 kDa

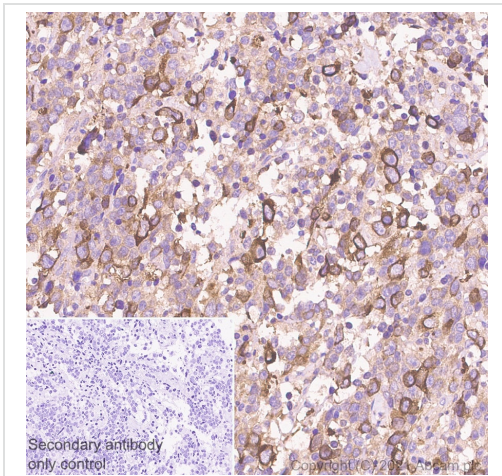
Observed band size: 107 kDa

INPP4B is lowly expressed in PANC-1 (PMID: 29952716)



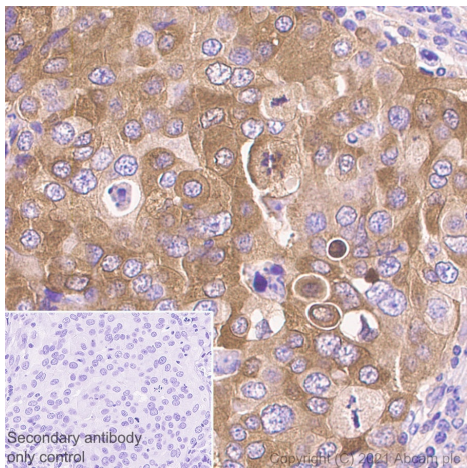
Immunocytochemistry/ Immunofluorescence - Anti-INPP4B antibody [EPR3108Y] (ab81269)

Immunocytochemistry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling INPP4B with Purified ab81269 at 1:50 dilution (2.4 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



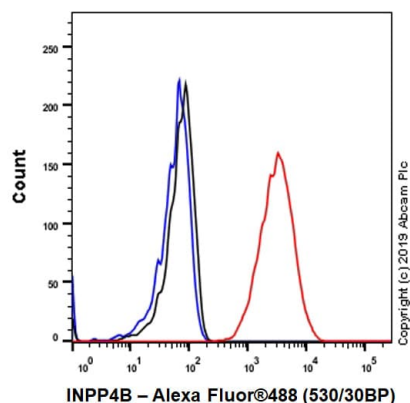
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INPP4B antibody [EPR3108Y] (ab81269)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue sections labeling INPP4B with Purified ab81269 at 1:50 dilution (2.36 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used. PBS instead of the primary antibody was used as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INPP4B antibody [EPR3108Y] (ab81269)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue sections labeling INPP4B with Purified ab81269 at 1:50 dilution (2.36 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used. PBS instead of the primary antibody was used as the negative control.



Flow Cytometry (Intracellular) - Anti-INPP4B antibody [EPR3108Y] (ab81269)

Intracellular Flow Cytometry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling INPP4B with purified ab81269 at 1/100 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cells without incubation with primary antibody and secondary antibody (Blue).

Why choose a recombinant antibody?



Research with confidence
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Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-INPP4B antibody [EPR3108Y] (ab81269)

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