

Product datasheet

Anti-PIP4K2 alpha antibody [3A3] ab125107

敲除验证

4 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-PIP4K2 alpha抗体[3A3] |
| 描述 | 小鼠单克隆抗体[3A3] to PIP4K2 alpha |
| 宿主 | Mouse |
| 经测试应用 | 适用于: Sandwich ELISA, WB, IHC-P |
| 种属反应性 | 与反应: Human |
| 免疫原 | Recombinant fragment, corresponding to amino acids 304-366 of Human PIP5K2 alpha with a 26kDa proprietary tag (NP_005019). |
| 阳性对照 | K562 cell lysate; Human Spleen tissue. |

性能

| | |
|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| 存储溶液 | pH: 7.4 Constituent: 99% PBS |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | 3A3 |
| 同种型 | IgG1 |
| 轻链类型 | kappa |

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab125107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 |
|----------------|------|--|
| Sandwich ELISA | | Use at an assay dependent concentration. |
| WB | | 1/500 - 1/1000. Predicted molecular weight: 46 kDa. |
| IHC-P | | Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

靶标

功能

Catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring, to form phosphatidylinositol-4,5-biphosphate.

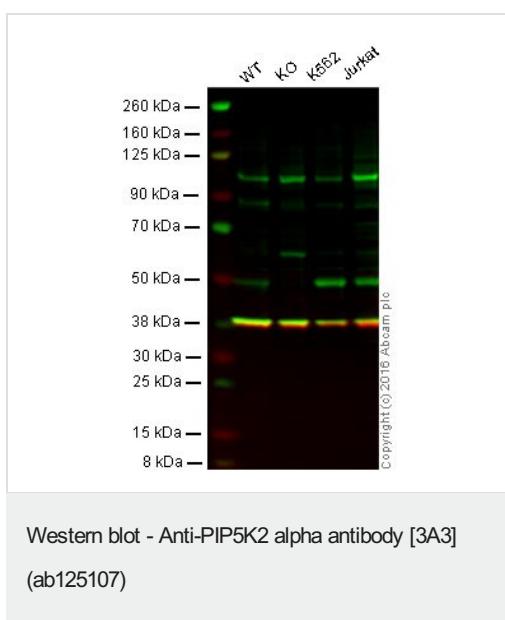
组织特异性

Expressed ubiquitously, with high levels in the brain. Present in most tissues, except notably skeletal muscle and small intestine.

序列相似性

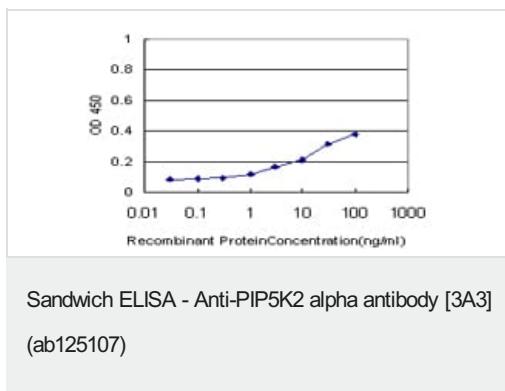
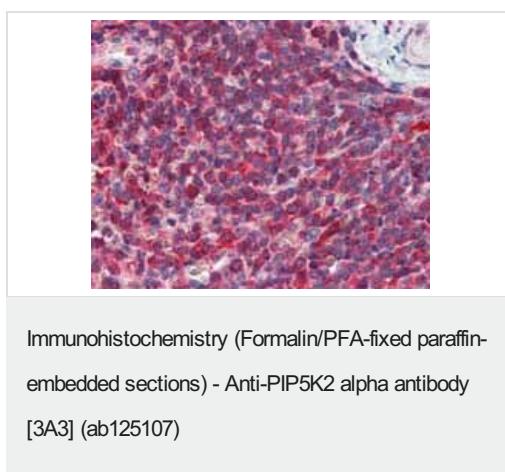
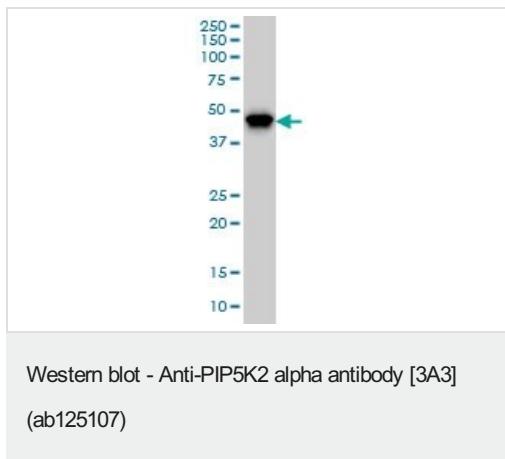
Contains 1 PIPK domain.

图片



Lane 1: Wild-type HAP1 cell lysate (20 µg)
 Lane 2: PIP5K2 alpha knockout HAP1 cell lysate (20 µg)
 Lane 3: K562 cell lysate(20 µg)
 Lane 4: Jurkat cell lysate (20 µg)
 Lanes 1 - 4: Merged signal (red and green). Green - ab125107 observed at 50 kDa. Red - loading control, [ab181602](#), observed at 37 kDa.

ab125107 was shown to recognize PIP5K2 alpha when PIP5K2 alpha knockout samples were used, along with additional cross-reactive bands. Wild-type and PIP5K2 alpha knockout samples were subjected to SDS-PAGE. ab125107 and [ab181602](#) (loading control to GAPDH) were diluted 1/500 and 1/10000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed [ab216772](#) and Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed [ab216777](#) secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



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

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