abcam

Product datasheet

Anti-PI3 Kinase p110 beta antibody [Y384] ab32569

敲除 验证　重组　RabMAb®

★★★★★ **1 Abreviews**　　**17 References**　　4 图像

概述

产品名称	Anti-PI3 Kinase p110 beta抗体[Y384]
描述	兔单克隆抗体[Y384] to PI3 Kinase p110 beta
宿主	Rabbit
特异性	ab32569 recognises PI3-Kinases (PI3-Ks).
经测试应用	**适用于:** WB, IP **不适用于:** Flow Cyt (Intra),ICC or ICC/IF
种属反应性	**与反应:** Human **预测可用于:** Guinea pig, Cow, Cat, Dog, Pig ⚠
免疫原	Synthetic peptide within Human PI3 Kinase p110 beta. The exact sequence is proprietary.
阳性对照	WB: Jurkat whole cell lysate (**ab7899**). IP: Jurkat
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	Y384
同种型	IgG

应用

Abpromise™承诺保证使用ab32569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
WB	★★★★★ (1)	1/500. Detects a band of approximately 110 kDa (predicted molecular weight: 123 kDa).
IP		1/50.

应用说明	Is unsuitable for Flow Cyt (Intra),ICC or ICC/IF.

靶标

功能	Phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2.
组织特异性	Expressed ubiquitously.
通路	Phospholipid metabolism; phosphatidylinositol phosphate biosynthesis.
序列相似性	Belongs to the PI3/PI4-kinase family. Contains 1 PI3K/PI4K domain.

图片

Western blot - Anti-PI3 Kinase p110 beta antibody [Y384] (ab32569)
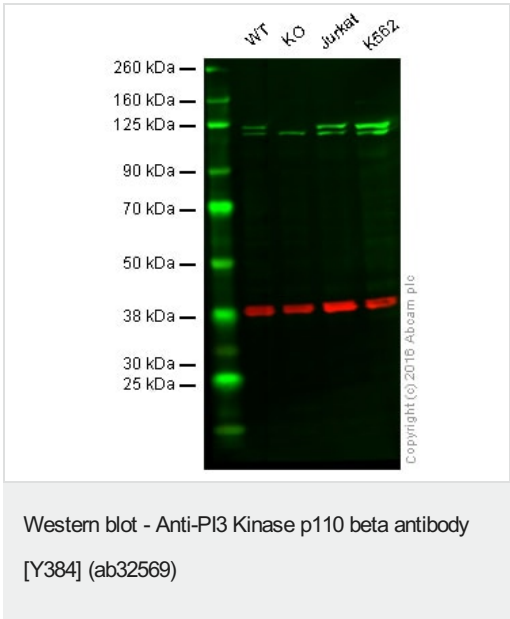
Lane 1: Wild-type HAP1 cell lysate (40 µg)

**Lane 2:** PI3 Kinase p110 beta knockout HAP1 cell lysate (40 µg)

Lane 3: Jurkat cell lysate (40 µg)

Lane 4: K562 cell lysate (40 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab32569 observed at 125 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab32569 was shown to recognize PI3 Kinase p110 beta when PI3 Kinase p110 beta knockout samples were used, along with additional cross-reactive bands. Wild-type and PI3 Kinase p110 beta knockout samples were subjected to SDS-PAGE. Ab32569 and **ab8245** (loading control to GAPDH) were diluted at 1/500 and 1/10,000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at

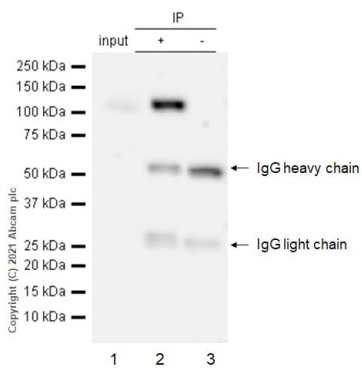1/10,000 dilution for 1 hour at room temperature before imaging.
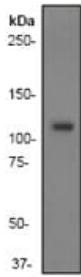
Western blot - Anti-PI3 Kinase p110 beta antibody [Y384] (ab32569)

Anti-PI3 Kinase p110 beta antibody [Y384] (ab32569) at 1/500 dilution + Jurkat cell lysate

Predicted band size: 123 kDa
Observed band size: 110 kDa

Immunoprecipitation - Anti-PI3 Kinase p110 beta antibody [Y384] (ab32569)

PI3 Kinase p110 beta was immunoprecipitated from 0.35 mg Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg with ab32569 at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg

Lane 2: ab32569 IP in Jurkat whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab32569 in Jurkat whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Anti-PI3 Kinase p110 beta antibody [Y384] (ab32569)

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