abcam

Product datasheet

Anti-PI3 Kinase p110 beta antibody [Y384] ab32569

KO 評価済

ילציבני RabMAb

★★★★★ 1 Abreviews 17 References 画像数4

製品の概要

Anti-Pl3 Kinase p110 beta antibody [Y384] 製品名

製品の詳細 Rabbit monoclonal [Y384] to PI3 Kinase p110 beta

由来種 Rabbit

特異性 ab32569 recognises PI3-Kinases (PI3-Ks).

アプリケーション **適用あり:** WB, IP

適用なし: Flow Cyt (Intra),ICC or ICC/IF

種交差性 交差種: Human

交差が予測される動物種: Guinea pig, Cow, Cat, Dog, Pig 4

免疫原 Synthetic peptide within Human Pl3 Kinase p110 beta. The exact sequence is proprietary.

ポジティブ・コントロール WB: Jurkat whole cell lysate (ab7899). IP: Jurkat

This product is a recombinant monoclonal antibody, which offers several advantages including: 特記事項

- 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.

製品の特性

製品の状態

保存方法 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

バッファー pH: 7.20

Preservative: 0.01% Sodium azide

Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA

精製度 Protein A purified

ポリ/モノ モノクローナル

ウローン名 Y384 アイソタイプ IgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab32569の使用に適用されますアプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	****(1)	1/500. Detects a band of approximately 110 kDa (predicted molecular weight: 123 kDa).
IP		1/50.

追加情報 Is unsuitable for Flow Cyt (Intra),ICC or ICC/IF.

ターゲット情報

機能 Phosphorylates Ptdlns, Ptdlns4P and Ptdlns(4,5)P2 with a preference for Ptdlns(4,5)P2.

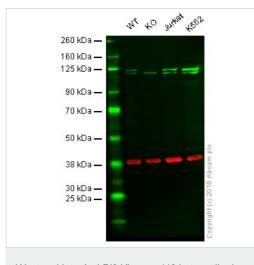
組織特異性 Expressed ubiquitously.

パスウェイ Phospholipid metabolism; phosphatidylinositol phosphate biosynthesis.

配列類似性 Belongs to the PI3/PI4-kinase family.

Contains 1 PI3K/PI4K domain.

画像



Western blot - Anti-Pl3 Kinase p110 beta antibody [Y384] (ab32569)

Lane 1: Wild-type HAP1 cell lysate (40 µg)

Lane 2: Pl3 Kinase p110 beta knockout HAP1 cell lysate (40 µg)

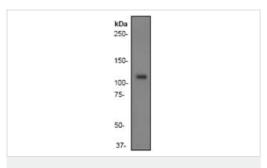
Lane 3: Jurkat cell lysate (40 µg)

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

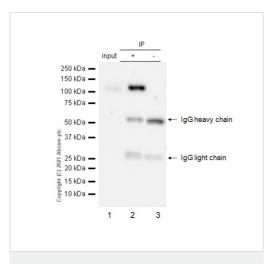
1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Pl3 Kinase p110 beta antibody [Y384] (ab32569)

Anti-Pl3 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-Pl3 Kinase p110 beta antibody [Y384] (ab32569)

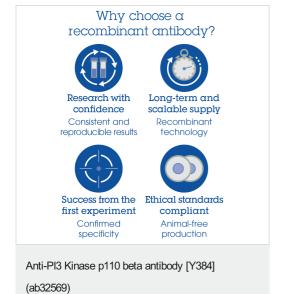
Pl3 Kinase p110 beta was immunoprecipitated from 0.35 mg Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 μ g with ab32569 at 1/50 dilution (2 μ g). VeriBlot for IP Detection Reagent (HRP)(ab131366) was used at 1/5000 dilution.

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

Lane 2: ab32569 IP in Jurkat whole cell lysate

Lane 3: Rabbit monoclonal lgG (<u>ab172730</u>) instead of ab32569 in Jurkat whole cell lysate

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



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