


Anti-PKN antibody [EPR3237] ab108976

KO 評価済 リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-PKN antibody [EPR3237]
製品の詳細	Rabbit monoclonal [EPR3237] to PKN
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HEK293T, SH-SY5Y, Jurkat and Human spleen lysates. IHC-P: Human brain tissue.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3237

アイソタイプ

IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab108976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確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 120 kDa (predicted molecular weight: 104 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.

追加情報

Is unsuitable for Flow Cyt.

ターゲット情報

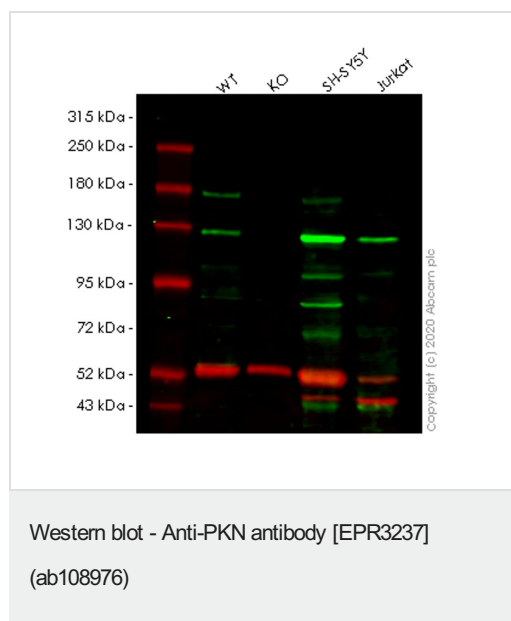
関連性

PKN belongs to the protein kinase C superfamily. This kinase is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis.

細胞内局在

Cytoplasmic

画像



All lanes : Anti-PKN antibody [EPR3237] (ab108976) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
Lane 2 : PKN1 knockout HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
Lane 3 : SH-SY5Y (Human neuroblastoma cell line from bone marrow) whole cell lysate
Lane 4 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW)

preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 104 kDa

Observed band size: 120 kDa

Lanes 1-4: Merged signal (red and green). Green - ab108976 observed at 120 kDa. Red - loading control [ab7291](#) observed at 50 kDa.

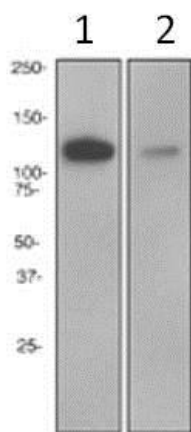
ab108976 Anti-PKN antibody [EPR3237] was shown to specifically react with PKN in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line [ab266599](#) (knockout cell lysate [ab258586](#)) was used. Wild-type and PKN knockout samples were subjected to SDS-PAGE. ab108976 and Anti-alpha Tubulin antibody [DM1A] - Loading Control ([ab7291](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKN antibody [EPR3237] (ab108976)

Immunohistochemical analysis of PKN in paraffin embedded Human brain tissue, using ab108976 at a 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-PKN antibody [EPR3237]
(ab108976)

All lanes : Anti-PKN antibody [EPR3237] (ab108976) at 1/1000 dilution

Lane 1 : Jurkat lysates

Lane 2 : Human spleen lysates

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 104 kDa

Observed band size: 120 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-PKN antibody [EPR3237] (ab108976)

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

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