abcam

Product datasheet

Anti-ZIP Kinase antibody [EPR1635] ab79422

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-ZIP Kinase antibody [EPR1635]
製品の詳細	Rabbit monoclonal [EPR1635] to ZIP Kinase
由来種	Rabbit
アプリケーション	**適用あり:** WB **適用なし:** Flow Cyt,ICC/IF,IHC-P or IP
種交差性	**交差種:** Human
免疫原	Synthetic peptide corresponding to Human ZIP Kinase aa 1-100 (N terminal). Database link: **O43293**
ポジティブ・コントロール	WB: HEK293T, HeLa and A431 cell lysates.
特記事項	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.

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	EPR1635
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ab79422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		1/5000 - 1/10000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).

追加情報 Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

ターゲット情報

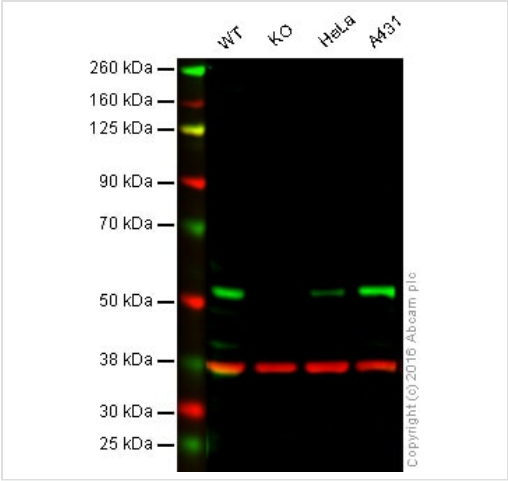
機能 Serine/threonine kinase which acts as a positive regulator of apoptosis. Phosphorylates histone H3 on 'Thr-11' at centromeres during mitosis. Regulates myosin light chain phosphatase through phosphorylation of MYPT1 thereby regulating the assembly of the actin cytoskeleton, cell migration, invasiveness of tumor cells, smooth muscle contraction and neurite outgrowth. Involved in the formation of promyelocytic leukemia protein nuclear body (PML-NB), one of many subnuclear domains in the eukaryotic cell nucleus, and which is involved in oncogenesis and viral infection.

配列類似性 Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.
Contains 1 protein kinase domain.

翻訳後修飾 Ubiquitinated. Ubiquitination mediated by the UBE2D3 E3 ligase does not lead to proteasomal degradation, but influences promyelocytic leukemia protein nuclear bodies (PML-NBs) formation in the nucleus.
Autophosphorylated. Phosphorylated by ROCK1.

細胞内局在 Nucleus. Cytoplasm. Nucleus > PML body. Relocates to the cytoplasm on binding PAWR where the complex appears to interact with actin filaments (By similarity). Localizes to promyelocytic leukemia protein nuclear bodies (PML-NBs). Associates to centromeres from prophase to anaphase.

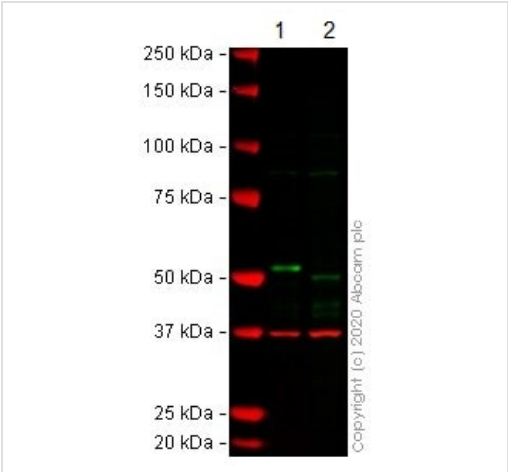
画像



Western blot - Anti-ZIP Kinase antibody [EPR1635] (ab79422)

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)
Lane 2: DAPK3 knockout HAP1 whole cell lysate (20 µg)
Lane 3: HeLa whole cell lysate (20 µg)
Lane 4: A431 whole cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab79422 observed at 53 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab79422 was shown to specifically react with DAPK3 in wild-type HAP1 cells along with other cross-reactive bands. No bands were observed when DAPK3 knockout samples were examined. Wild-type and DAPK3 knockout samples were subjected to SDS-PAGE. Ab79422 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/10,000 dilution respectively. Blots were developed with 800CW Goat anti Rabbit and 680CW Goat anti Mouse secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-ZIP Kinase antibody [EPR1635] (ab79422)

All lanes : Anti-ZIP Kinase antibody [EPR1635] (ab79422) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate
Lane 2 : DAPK3 CRISPR/Cas9 edited HEK293T cell lysate

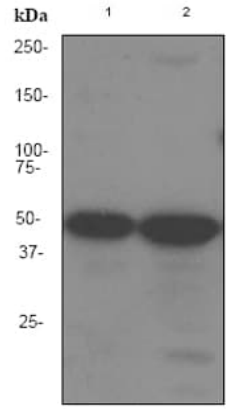
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 53 kDa
Observed band size: 53 kDa

Lanes 1 - 2: Merged signal (red and green). Green - ab79422 observed at 53 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) observed at 37 kDa.

ab79422 was shown to react with ZIP Kinase in wild-type HEK-293T cells in western blot. The band observed in CRISPR/Cas9 edited cell line **ab266755** (CRISPR/Cas9 edited cell lysate **ab257407**) lane below 53kDa may represent truncated forms and cleaved fragments. This has not been investigated further. Wild-type HEK-293T and DAPK3 CRISPR/Cas9 edited HEK-293T cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab79422 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at a 1 in 5000 dilution and a 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.



Western blot - Anti-ZIP Kinase antibody [EPR1635] (ab79422)

All lanes : Anti-ZIP Kinase antibody [EPR1635] (ab79422) at 1/5000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : A431 cell lysate

Lysates/proteins at 10 µg per lane.

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

Predicted band size: 53 kDa
Observed band size: 53 kDa

Anti-ZIP Kinase antibody [EPR1635] (ab79422)

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

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