

Anti-DRAK2 antibody [EPR3163Y] ab108373

KO 評価済 リコンビナント RabMAb

1 References 画像数 7

製品の概要

製品名	Anti-DRAK2 antibody [EPR3163Y]
製品の詳細	Rabbit monoclonal [EPR3163Y] to DRAK2
由来種	Rabbit
アプリケーション	適用あり: WB, IP, ICC/IF
種交差性	交差種: Mouse, Rat, Human
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	Jurkat and Ramos cell lysates
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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA, 49% PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3163Y

アイソタイプ

IgG

アプリケーション

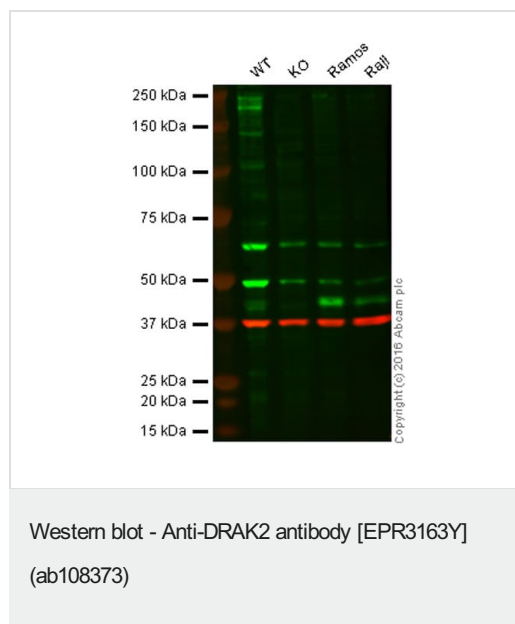
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab108373の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Predicted molecular weight: 42 kDa.
IP		1/30 - 1/50.
ICC/IF		1/100 - 1/250.

ターゲット情報

機能	Acts as a positive regulator of apoptosis.
組織特異性	Highly expressed in placenta, lung, pancreas. Lower levels in heart, brain, liver, skeletal muscle and kidney.
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	Autophosphorylated.
細胞内局在	Nucleus.

画像



Western blot - Anti-DRAK2 antibody [EPR3163Y]
(ab108373)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

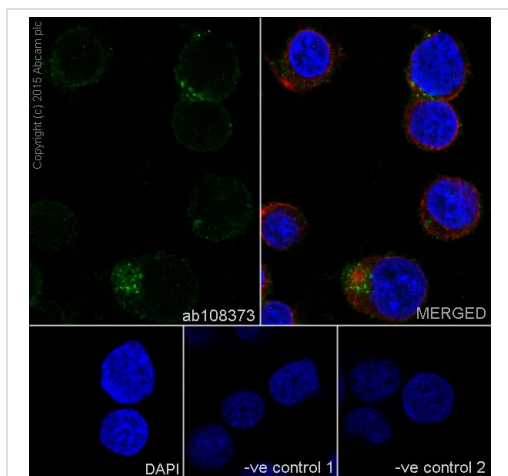
Lane 2: DRAK2 knockout HAP1 cell lysate (20 µg)

Lane 3: Ramos cell lysate (20 µg)

Lane 4: Raji cell lysate (20 µg)

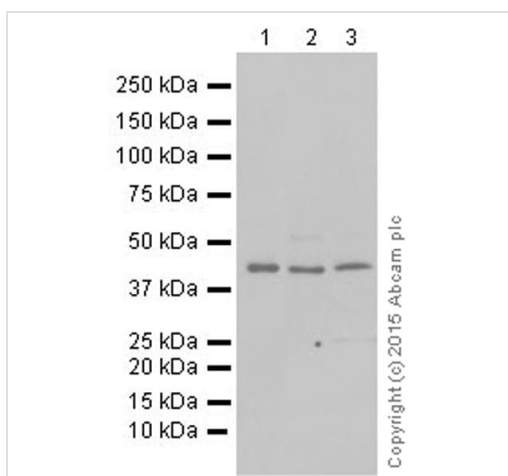
Lanes 1 - 4: Merged signal (red and green). Green - ab108373 observed at 42 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab108373 was shown to recognize DRAK2 when DRAK2 knockout samples were used, along with additional cross-reactive bands. Wild-type and DRAK2 knockout samples were subjected to SDS-PAGE. ab108373 and **ab8245** (loading control to GAPDH) were diluted 1/500 and 1/10000 respectively and incubated overnight at 4°C. 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 1/10000 dilution for 1 h at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-DRAK2 antibody [EPR3163Y] (ab108373)

Immunofluorescence staining of Ramos cells with purified ab108373 at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor[®] 488 goat anti-rabbit ([ab150077](#)), used at a dilution of 1/1000. [ab7291](#), a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with [ab150120](#) (Alexa Fluor[®] 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab108373 was used at a dilution of 1/500 followed by an Alexa Fluor[®] 594 goat anti-mouse antibody ([ab150120](#)) at a dilution of 1/500. For negative control 2, [ab7291](#) (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor[®] 488 goat anti-rabbit antibody ([ab150077](#)) at a dilution of 1/400.



Western blot - Anti-DRAK2 antibody [EPR3163Y] (ab108373)

All lanes : Anti-DRAK2 antibody [EPR3163Y] (ab108373) at 1/1000 dilution (purified)

Lane 1 : C6 whole cell lysate

Lane 2 : PC-12 whole cell lysate

Lane 3 : NIH/3T3 whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

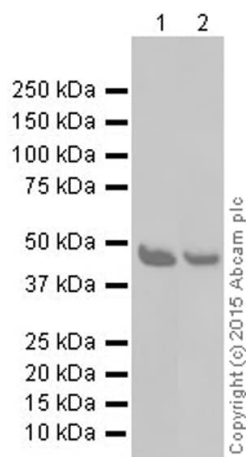
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-DRAK2 antibody [EPR3163Y]
(ab108373)

All lanes : Anti-DRAK2 antibody [EPR3163Y] (ab108373) at 1/10000 dilution (purified)

Lane 1 : Ramos whole cell lysate

Lane 2 : Raji whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

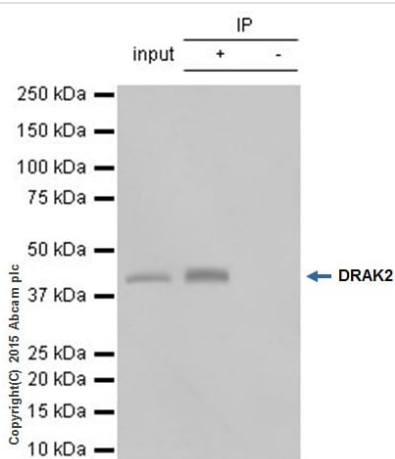
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

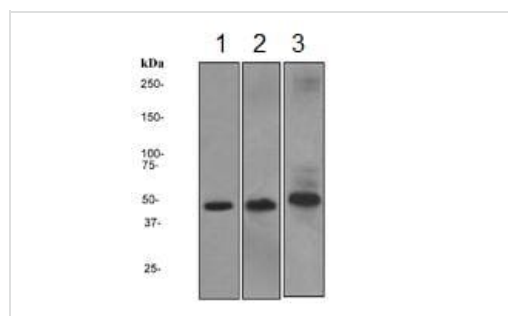
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Immunoprecipitation - Anti-DRAK2 antibody
[EPR3163Y] (ab108373)

ab108373 (purified) at 1/40 immunoprecipitating DRAK2 in 10 µg Ramos cell lysate (Lanes 1 and 2, observed at 42 kDa). Lane 3 - Rabbit monoclonal IgG ([ab172730](#)). For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10,000 dilution. Blocking buffer and concentration: 5% NFDM/TBST Dilution buffer and concentration: 5% NFDM/TBST



Western blot - Anti-DRAK2 antibody [EPR3163Y]
(ab108373)

All lanes : Anti-DRAK2 antibody [EPR3163Y] (ab108373) at 1/500 dilution (Unpurified)

Lane 1 : Jurkat cell lysate +TPA

Lane 2 : Ramos cell lysate

Lane 3 : Ramos cell lysate + TPA

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 42 kDa

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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-DRAK2 antibody [EPR3163Y] (ab108373)

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