


Anti-Paxillin antibody [Y113] - BSA and Azide free ab216652

KO 評価済 リコンビナント RabMAb

14 References 画像数 12

製品の概要

製品名	Anti-Paxillin antibody [Y113] - BSA and Azide free
製品の詳細	Rabbit monoclonal [Y113] to Paxillin - BSA and Azide free
由来種	Rabbit
特異性	This antibody recognises Paxillin alpha, beta and gamma isoforms.
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF, IHC-P, WB, IP
種交差性	交差種: Mouse, Human 交差が予測される動物種: Dog 
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	Flow Cyt (intra): HeLa cells. ICC/IF: HeLa cells IP: HeLa whole cell lysate WB: HeLa, RAW 264.7 and mouse heart lysate. IHC-P: Human cerebrum tissue and human breast carcinoma tissue.
特記事項	<p>ab216652 is the carrier-free version of ab32084.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

製品の特性

製品の状態

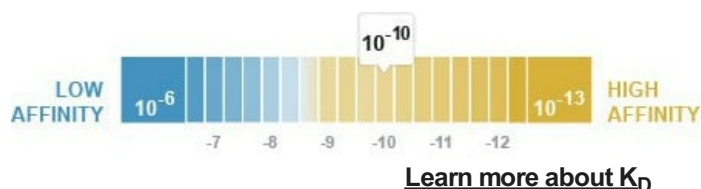
Liquid

保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

解離定数 (K_D 値)

K_D = 4.17 x 10⁻¹⁰ M



バッファー

pH: 7.20

Constituent: PBS

キャリア・フリー

はい

精製度

Protein A purified

ポリ/モノ

モノクローナル

クローン名

Y113

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ab216652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
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
WB		Use at an assay dependent concentration. Predicted molecular weight: 68 kDa.
IP		Use at an assay dependent concentration.

ターゲット情報

機能

Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion).

配列類似性

Belongs to the paxillin family.
Contains 4 LIM zinc-binding domains.

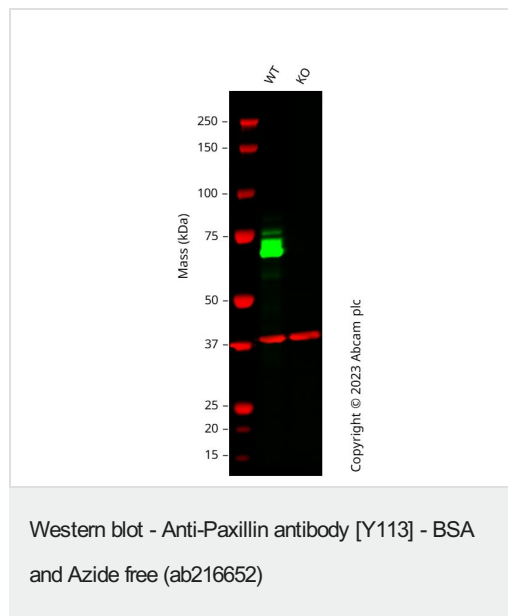
翻訳後修飾

Phosphorylated on tyrosine residues during integrin-mediated cell adhesion, embryonic development, fibroblast transformation and following stimulation of cells by mitogens.

細胞内局在

Cytoplasm > cytoskeleton. Cell junction > focal adhesion.

画像



All lanes : Anti-Paxillin antibody [Y113] ([ab32084](#)) at 1/1000 dilution

Lane 1 : Wild-type A431 cell lysate

Lane 2 : PXN knockout A431 cell lysate

Lysates/proteins at 20 µg per lane.

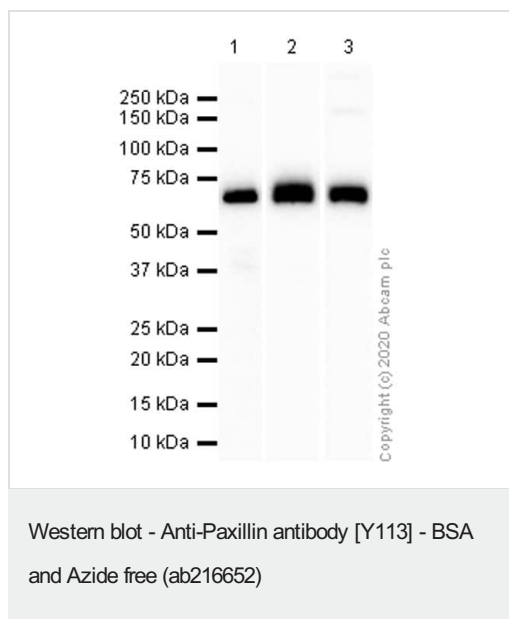
Performed under reducing conditions.

Predicted band size: 68 kDa

Observed band size: 70 kDa

This data was developed using [ab32084](#), the same antibody clone in a different buffer formulation.

Anti-PXN antibody [Y113] ([ab32084](#)) staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab32084](#) was shown to bind specifically to PXN. A band was observed at 70 kDa in wild-type A431 cell lysates with no signal observed at this size in PXN knockout cell line [ab261892](#) (knockout cell lysate [ab261701](#)). To generate this image, wild-type and PXN knockout A431 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween\$@20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution



All lanes : Anti-Paxillin antibody [Y113] ([ab32084](#)) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

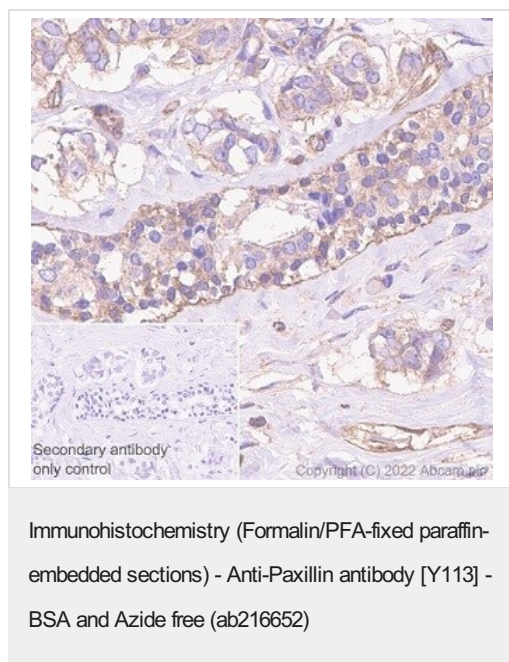
Lane 2 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 3 : Mouse heart lysate

Secondary

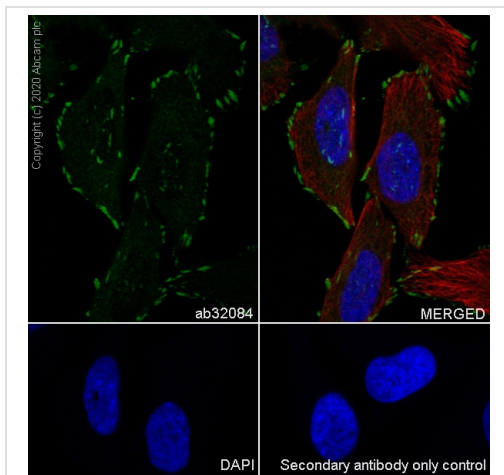
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 68 kDa



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue sections labelling Paxillin with [ab32084](#) at 1/1200 dilution. The section was incubated with [ab32084](#) for 30 mins at room temperature. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Antigen retrieval was heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. Positive staining on human breast carcinoma tissue. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

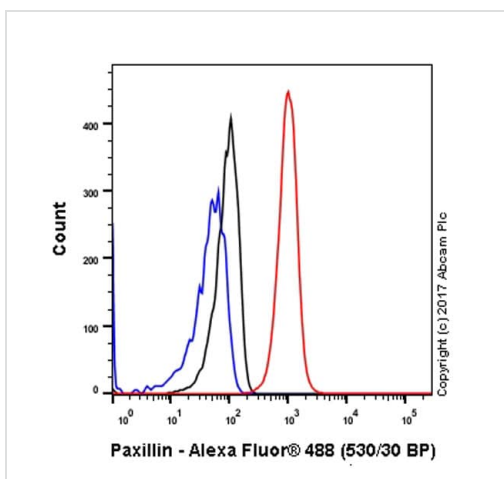
This data was developed using [ab32084](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

This data was developed using **ab32084**, the same antibody clone in a different buffer formulation.

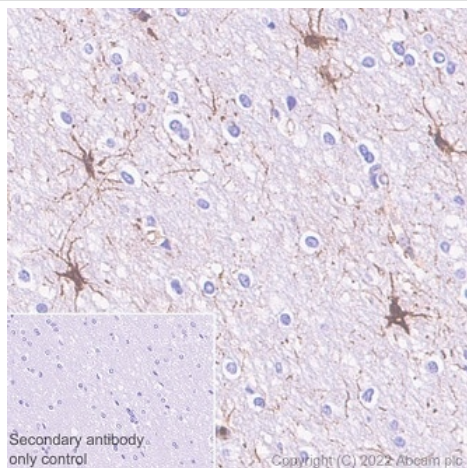
Immunocytochemistry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Paxillin with purified **ab32084** at 1/50 dilution (2.88 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

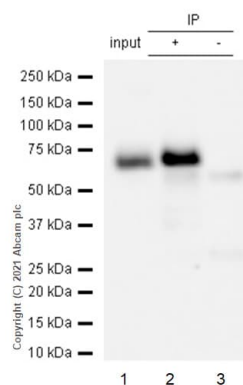
Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling with purified **ab32084** at 1/100 dilution (10ug/ml) (Red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) (**ab172730**) was used as a isotype control. Cell without incubation with primary antibody and secondary antibody (Blue) were used as unlabeled control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32084**).



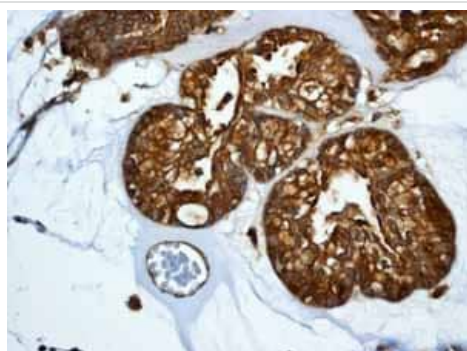
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

Immunohistochemistry analysis of paraffin-embedded human cerebrum tissue sections labelling Paxillin with **ab32084** at 1/1200 dilution. The section was incubated with **ab32084** for 30 mins at room temperature. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Antigen retrieval was heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. Positive staining on human cerebrum tissue. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. This data was developed using **ab32084**, the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

This data was developed using **ab32084**, the same antibody clone in a different buffer formulation. Purified **ab32084** at 1/20 dilution (0.7µg) immunoprecipitating Paxillin in HeLa whole cell lysate. Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg. Lane 2 (+): **ab32084** + HeLa whole cell lysate. Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab32084** in HeLa whole cell lysate. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting. Blocking Buffer and concentration: 5% NFDM/TBST. Diluting buffer and concentration: 5% NFDM/TBST.

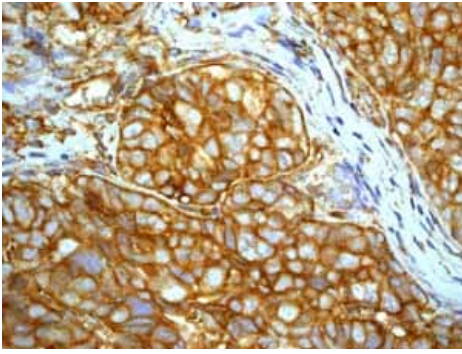


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

ab32084 (Unpurified format) showing positive staining in Normal ovary tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32084**).

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

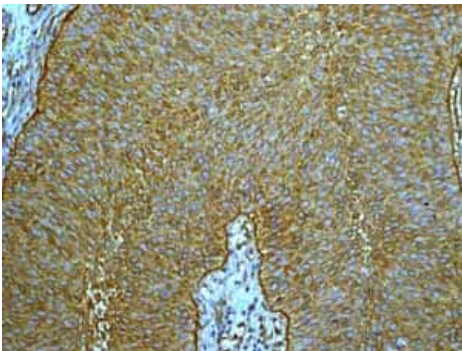


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

ab32084 (Unpurified format) showing positive staining in Ovarian carcinoma tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32084**).

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

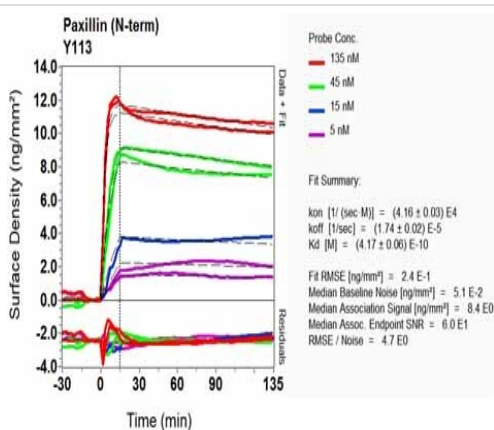


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

ab32084 (Unpurified format) showing positive staining in Transitional cell carcinoma of kidney tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32084**).

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



OIR-D Scanning - Anti-Paxillin antibody [Y113] - BSA and Azide free (ab216652)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32084**).

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-Paxillin antibody [Y113] - BSA and Azide free
(ab216652)

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