


### Anti-Paxillin antibody [Y113] ab32084

KO 評価済 リコンビナント RabMAb

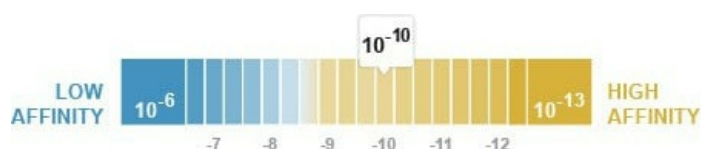
★★★★★ 21 Abreviews 180 References 画像数 9

#### 製品の概要

製品名	Anti-Paxillin antibody [Y113]
製品の詳細	Rabbit monoclonal [Y113] to Paxillin
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: WB, ICC/IF, Flow Cyt (Intra), IP, IHC-P
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>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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 long term. Avoid freeze / thaw cycle.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 4.17 x 10 <sup>-10</sup> M



[Learn more about Kp](#)

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
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

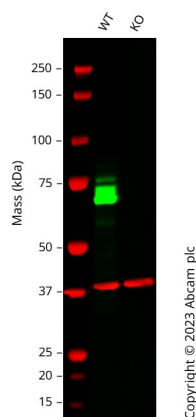
**The Abpromise guarantee**      **Abpromise保証は、**次のテスト済みアプリケーションにおけるab32084の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (10)	1/1000. Predicted molecular weight: 68 kDa. <b>For unpurified use at 1/5000 - 1/10000.</b>
ICC/IF	★★★★★ (7)	1/50. <b>For unpurified use at 1/250.</b>
Flow Cyt (Intra)		1/100.
IP	★★★★★ (1)	1/20.
IHC-P	★★★★★ (1)	1/1200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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



Western blot - Anti-Paxillin antibody [Y113] (ab32084)

**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.

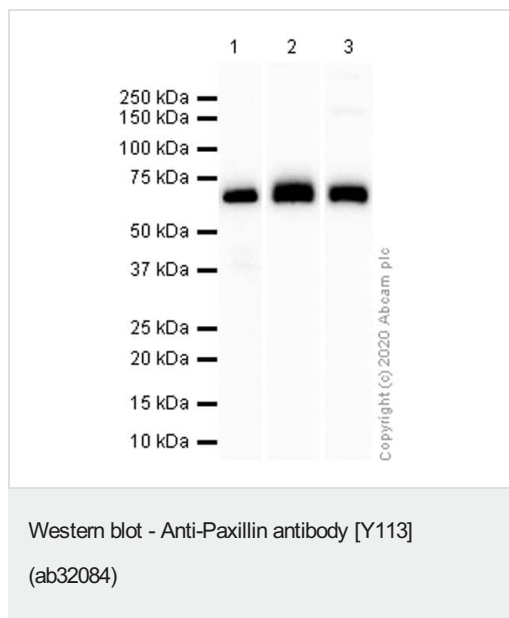
Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 68 kDa

**Observed band size:** 70 kDa

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<sup>®</sup> 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

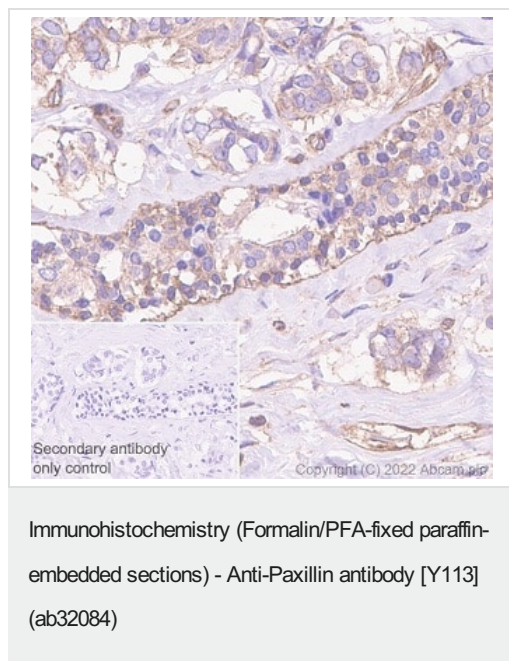
**Lane 2 :** RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

**Lane 3 :** Mouse heart lysate

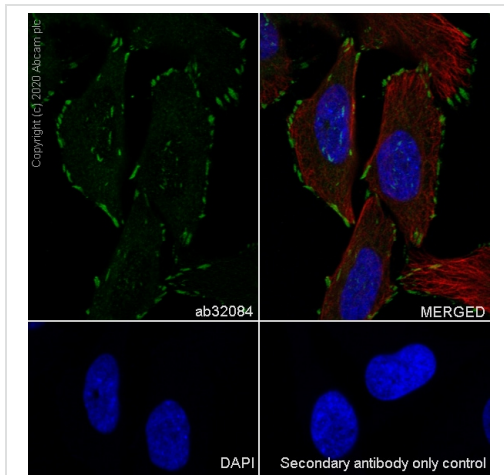
#### Secondary

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

**Predicted band size:** 68 kDa

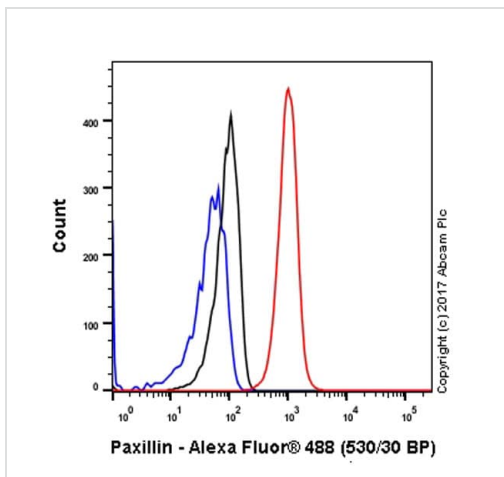


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue sections labelling Paxillin with ab32084 at 1/1200 dilution. The section was incubated with ab32084 for 30 mins at room temperature. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary 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.



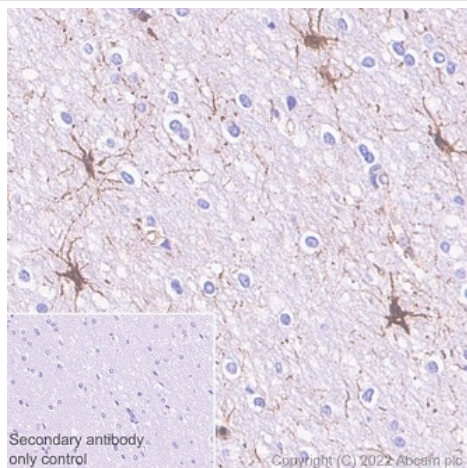
Immunocytochemistry/ Immunofluorescence - Anti-Paxillin antibody [Y113] (ab32084)

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] (ab32084)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling with purified ab32084 at 1/100 dilution (10 µg/ml) (Red). Cells were fixed with 4% paraformaldehyde and permeabilized 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.



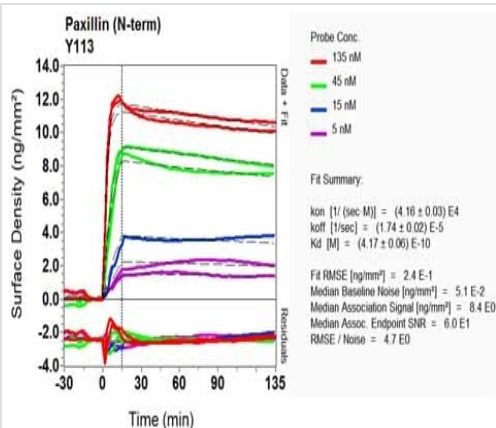
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Paxillin antibody [Y113] (ab32084)

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.



Immunoprecipitation - Anti-Paxillin antibody [Y113] (ab32084)

Purified ab32084 at 1/20 dilution (0.7 µg) immunoprecipitating Paxillin in HeLa whole cell lysate.  
Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg.  
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.  
Observed band size: 48 kDa



OxLD Scanning - Anti-Paxillin antibody [Y113] (ab32084)

Equilibrium disassociation constant ( $K_D$ )  
Learn more about  $K_D$

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

### 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] (ab32084)

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