

Anti-Paxillin Pxn Antibody (Monoclonal, PXC-10)

Catalog Number: MA1080

About Pxn

The paxillin gene can be alternatively spliced to include 1 of 2 alternative exons, generating beta and gamma isoforms. Paxillin is a 68-kDa focal adhesion protein that is phosphorylated on tyrosine residues in fibroblasts in response to transformation by v-src, treatment with platelet-derived growth factor, or cross-linking of integrins. The 68-kD protein (paxillin) is a cytoskeletal component that localizes to the focal adhesions at the ends of actin stress fibers in chicken embryo fibroblasts. It is also present in the focal adhesions of Madin-Darby bovine kidney (MDBK) epithelial cells but is absent, like talin, from the cell-cell adherens junctions of these cells.

Overview

Product Name	Anti-Paxillin Pxn Antibody (Monoclonal, PXC-10)
Reactive Species	Bovine, Chicken, Hamster, Human, Mouse, Rat
Description	Boster Bio Anti-Paxillin Pxn Antibody (Monoclonal, PXC-10) catalog # MA1080. Tested in ICC, WB applications. This antibody reacts with Chicken, Human, Mouse, Rat.
Application	ICC, WB
Clonality	Monoclonal PXC-10
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q66H76

Technical Details

Immunogen	C-terminal part of recombinant chicken paxillin (amino acids 305-559).
Predicted Reactive Species	Canine, Horse, Rabbit
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.

Purification	Ascites
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunocytochemistry , 1ug/ml, Human, mouse, rat, chicken, -</p> <p>Western blot, 1-2ug/ml, Human, mouse, rat, chicken</p>

Anti-Paxillin Pxn Antibody (Monoclonal, PXC-10) (MA1080) Images

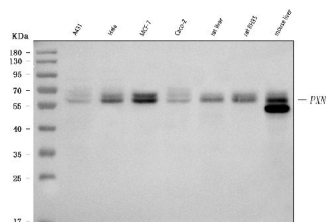


Figure 1. Western blot analysis of Paxillin using anti-Paxillin antibody (MA1080).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A431 whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human MCF-7 whole cell lysates,
Lane 4: human CACO-2 whole cell lysates,
Lane 5: rat liver tissue lysates,
Lane 6: rat RH35 whole cell lysates,
Lane 7: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-Paxillin antigen affinity purified monoclonal antibody (Catalog # MA1080) at 1 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001) with Tanon 5200 system. A specific band was detected for Paxillin at approximately 65 kDa. The expected band size for Paxillin is at 65 kDa.

3 Publications Citing This Product

1. PubMed ID: 24637093, Zhong S, Luo R, Wang X, Tang L, Wu J, Wang J, Huang R, Sun H, Huang N. Colloids Surf B Biointerfaces. 2014 Apr 1;116:553-60. Doi: 10.1016/J.Colsurf.2014.01.030. Epub 2014 Jan 30. Effects Of Polydopamine Functionalized Titanium Dioxide Nanotubes O...
2. PubMed ID: 24876153, Zhu Z, Liu Y, Li K, Liu J, Wang H, Sun B, Xiong Z, Jiang H, Zheng J, Hu Z. Carcinogenesis. 2014 Aug;35(8):1901-10. Doi: 10.1093/Carcin/Bgu123. Epub 2014 May 29. Protein Tyrosine Phosphatase Receptor U (Ptpu) Is Required For Glioma Growth And Moti...
3. PubMed ID: 25337216, Liu Y, Zhu Z, Xiong Z, Zheng J, Hu Z, Qiu J. Int J Clin Exp Pathol. 2014 Aug 15;7(9):5750-61. Ecollection 2014. Knockdown Of Protein Tyrosine Phosphatase Receptor U Inhibits Growth And Motility Of Gastric Cancer Cells.

Visit bosterbio.com/anti-paxillin-antibody-monoclonal-ma1080-boster.html to see all 3 publications.

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