

Paxillin Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Paxillin. The exact sequence is proprietary.
Form	Liquid
Concentration	1.44 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2736326

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

Product Specific Information

Positive Control: K562, THP-1, 293T, A431, HeLa

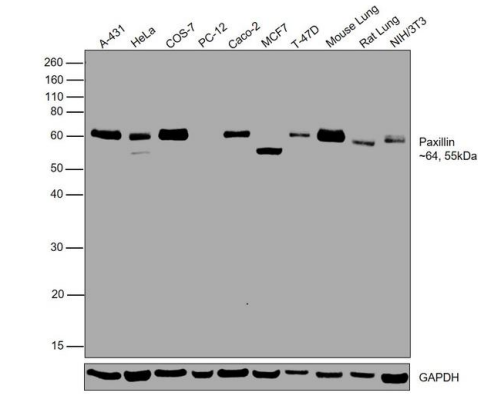
Predicted Reactivity: Mouse (100%), Rat (100%), Chicken (100%)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For Paxillin Polyclonal Antibody

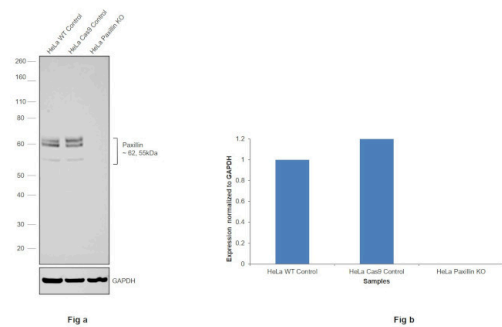
Paxillin Antibody (PA5-78142) in WB

Western blot was performed using Anti-Paxillin Polyclonal Antibody(Product # PA5-78142) and a 64kDa band corresponding to Paxillin was observed across all tested cell lines and tissues. Whole cell extracts (30 µg lysate) of A-431 (Lane 1), HeLa (Lane 2), COS-7 (Lane 3), PC-12 (Lane 4), Caco-2 (Lane 5), MCF7 (Lane 6), T-47D (Lane 7), Mouse Lung (Lane 8), Rat Lung (Lane 9), NIH/3T3 (Lane 10) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).An additional band at ~55kDa was observed, which corresponds to the proteolytic cleavage products of Paxillin



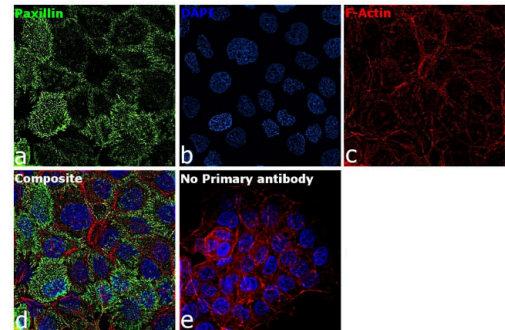
Paxillin Antibody (PA5-78142)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in Paxillin KO cell line compared to control cell line using Anti-Paxillin Polyclonal Antibody (Product # PA5-78142). {KO}



Paxillin Antibody (PA5-78142) in ICC/IF

Immunofluorescence analysis of Paxillin was performed using 70 percent confluent log phase A-431 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with Paxillin Polyclonal Antibody (Product # PA5-78142) at 5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing focal adhesions localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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