

Phospho-Paxillin (Tyr118) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Dog, Rat, Pig, Human, Mouse, Chicken, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of human paxillin that contains tyrosine 118.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533733

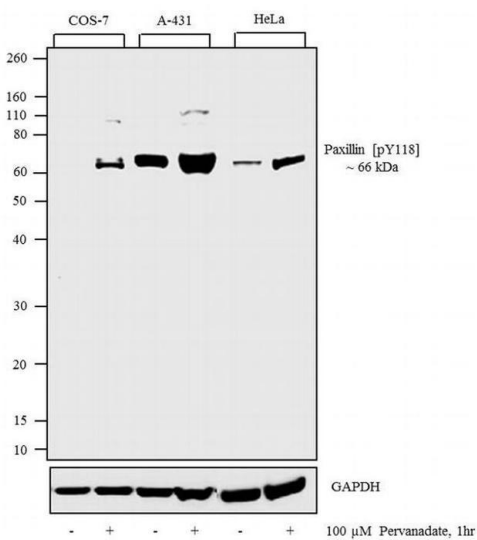
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	45 Publications
Immunohistochemistry (IHC)	Assay-dependent	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	34 Publications
Immunoprecipitation (IP)	-	1 Publication
in situ PLA (PLA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

The antibody has been negatively preadsorbed using i) a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated paxillin, and ii) a generic tyrosine phosphorylated peptide to remove antibody that is reactive with phosphotyrosine, irrespective of the sequence. The final product is generated by affinity chromatography using a paxillin-derived peptide that is phosphorylated at tyrosine 118.

Positive controls used with this antibody in western blotting were normal mouse mammary gland (NMuMG) cells, NMuMG transfected with EGFP-tagged paxillin +/- TGFbeta, and human epidermoid carcinoma cells (A431) +/- EGF.

Product Images For Phospho-Paxillin (Tyr118) Polyclonal Antibody

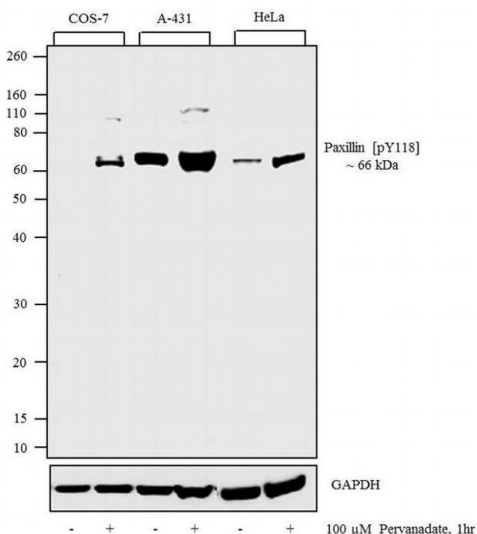


Phospho-Paxillin (Tyr118) Antibody (44-722G) in WB

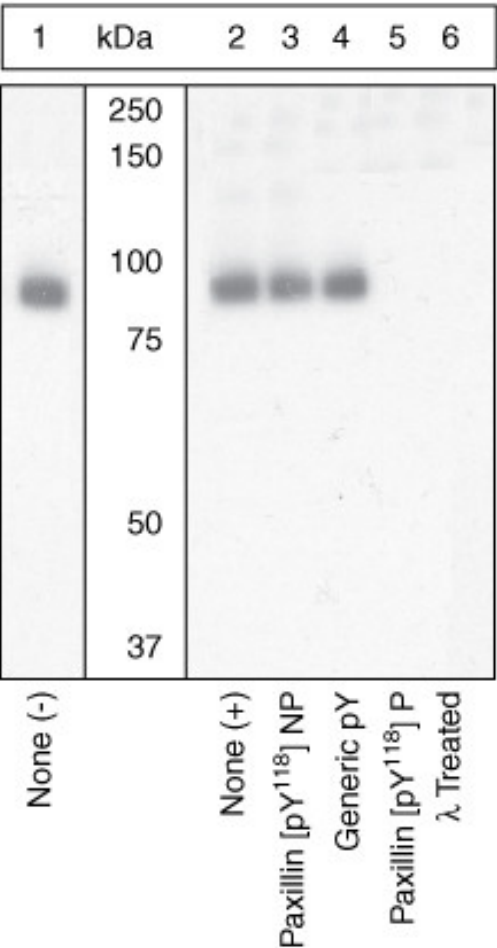
Western blot analysis was performed on whole cell extracts (30 μ g lysate) of COS-7 (Lane 1), COS-7 treated with 100 μ M Pervanadate for 1 hour (Lane 2), A431 (Lane 3), A431 treated with 100 μ M Pervanadate for 1 hour (Lane 4), HeLa (Lane 5) and HeLa treated with 100 μ M Pervanadate for 1 hour (Lane 6). The blots were probed with Anti-Phospho-Paxillin pTyr118 Rabbit Polyclonal Antibody (Product # 44-722G, 1:500 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate (Product # G-21234, 1:5000 dilution). A 66 kDa band corresponding to Paxillin pTyr118 was enhanced across treated cell lines. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

Phospho-Paxillin (Tyr118) Antibody (44-722G)

Altered expression of protein upon cell treatment demonstrates antibody specificity. Western blot of Paxillin (pY118) using Anti -Paxillin (pY118) Rabbit Polyclonal Antibody (Product # 44-722G) shows increased expression of Paxillin [pY118] in Cos7, A431, and HeLa cells upon Pervanadate treatment. {TM}



Phospho-Paxillin (Tyr118) Antibody (44-722G) in WB
Western Blot analysis using Rabbit anti Paxillin (pY118) Polyclonal Antibody (Product # 44-722G)



[View more figures on thermofisher.com](https://thermofisher.com)

Western Blot (45)

<p>The Journal of cell biology</p> <p>Dissecting protein tyrosine phosphatase signaling by engineered chemogenetic control of its activity.</p> <p>"Published figure using Phospho-Paxillin (Tyr118) polyclonal antibody (Product # 44-722G) in Western Blot"</p> <p>Authors: Fauser J,Huyot V,Matsche J,Szynał BN,Alexeev Y,Kota P,Karginov AV</p>	<p>Year 2022</p>
<p>Bioactive materials</p> <p>Matrix stiffness modulates tip cell formation through the p-PXN-Rac1-YAP signaling axis.</p> <p>"44-722G was used in Western Blot, Immunocytochemistry to show that matrix stiffness modulates tip cell formation through p-PXN-Rac1-YAP signaling axis, shedding light on the role of mechanotransduction in tip cell formation."</p> <p>Authors: Guo Y,Mei F,Huang Y,Ma S,Wei Y,Zhang X,Xu M,He Y,Heng BC,Chen L,Deng X</p>	<p>Year 2022</p> <p>Species Human</p>

[View more WB references on thermofisher.com](#)

Immunohistochemistry (4)

<p>Frontiers in immunology</p> <p>Endothelial Focal Adhesions Are Functional Obstacles for Leukocytes During Basolateral Crawling.</p> <p>"44-722G was used in Immunohistochemistry-immunofluorescence to show that focal adhesions mark the basolateral migration path of neutrophils."</p> <p>Authors: Arts JJG,Mahlandt EK,Schimmel L,Grönloh MLB,van der Niet S,Klein BJAM,Fernandez-Borja M,van Geemen D,Huveneers S,van Rijssel J,Goedhart J,van Buul JD</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Cell reports</p> <p>Endogenous Cyclin D1 Promotes the Rate of Onset and Magnitude of Mitogenic Signaling via Akt1 Ser473 Phosphorylation.</p> <p>"44-722G was used in Immunohistochemistry-immunofluorescence to show that Akt1-mediated phosphorylation of downstream substrates in the mammary gland is reduced by cyclin D1 genetic deletion and is induced by mammary-gland-targeted cyclin D1 overexpression."</p> <p>Authors: Chen K,Jiao X,Di Rocco A,Shen D,Xu S,Ertel A,Yu Z,Di Sante G,Wang M,Li Z,Pestell TG,Casimiro MC,Skordalakes E,Achilefu S,Pestell RG</p>	<p>Year 2020</p> <p>Species Mouse</p>

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

- IHC (P) (2)
- ICC/IF (34)
- IP (1)
- PLA (1)
- Misc (3)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.