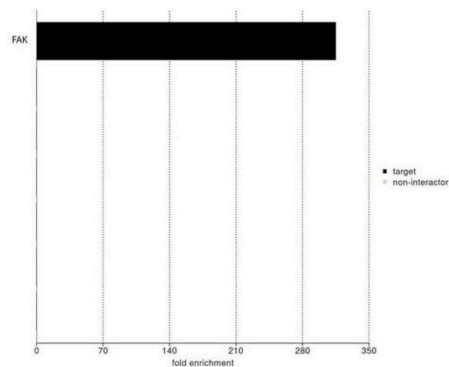


FAK Polyclonal Antibody

Product Details	
Size	500 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acid residues 853-1052 from theC-terminal region of human FAK.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.3, with 0.2% BSA
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2536313

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	30 Publications
Immunocytochemistry (ICC/IF)	-	7 Publications
Immunoprecipitation (IP)	Assay-dependent	4 Publications
Functional Assay (FN)	-	1 Publication

Product Images For FAK Polyclonal Antibody

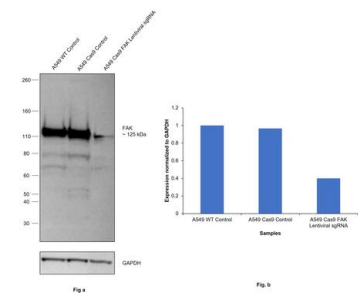


FAK Antibody (AHO0502)

IP-MS enrichment of FAK (LFQ intensity): FAK was enriched 315-fold from LNCAP lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and FAK antibody (Product # AHO0502). See more information on IP-MS verification of antibody selectivity. {IP-MS}

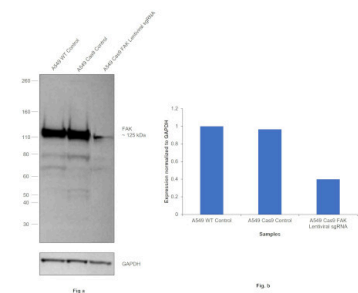
FAK Antibody (AHO0502) in WB

CRISPR-Cas9 mediated genome editing ofFAK (as confirmed by next generation sequencing) was achieved by using LentiArray™ Lentiviral sgRNA (Product # A32042, AssayID CRISPR627416_LV) and LentiArray Cas9 Lentivirus (Product # A32064). Fig (a) Western blot analysis of FAK was performed by loading 30 µg of A549 wild type (Lane 1), A549 Cas9 (Lane 2) and A549 Cas9 cells transduced with FAK Lentiviral sgRNA (Lane 3) membrane enriched extracts. The samples were electrophoresed using NuPAGE™ 3 to 8%, Tris-Acetate, 1.0 mm, Mini Protein Gel (Product # EC6695BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Anti-FAK Polyclonal Antibody (Product # AHO0502) using 1:1000 dilution and Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177 1:5000 dilution).Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076). A reduced signal in sgRNA transduced cells using the LentiArray™ CRISPR product line confirms that antibody is specific toFAK (Fig (b)).



FAK Antibody (AHO0502)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A reduced signal was observed for target protein in A549 Cas9 cell line transduced with FAK Lentiviral sgRNA compared to control cell line using Anti-FAK Polyclonal Antibody (Product # AHO0502). {KO}



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Western Blot (30)

<p>Cancer gene therapy</p> <p>KCNF1 promotes lung cancer by modulating ITGB4 expression.</p> <p>"AHO0502 was used in Western Blotting to suggest that KCNF1 promotes lung cancer by enhancing ITGB4 signaling and implicate KCNF1 as a novel therapeutic target for lung cancer."</p> <p>Authors: Chen CY,Wu PY,Van Scoyk M,Simko SA,Chou CF,Winn RA</p>	<p>Year 2023</p> <p>Species Human Mouse</p>
<p>Journal of molecular endocrinology</p> <p>Finnish-specific AKT2 gene variant leads to impaired insulin signalling in myotubes.</p> <p>"AHO0502 was used in Western Blotting to show that myotubes from p.P50T/AKT2 variant carriers show multiple signalling alterations which may contribute to predisposition to insulin resistance and T2D in the carriers of this signalling variant."</p> <p>Authors: Mäkinen S,Datta N,Rangarajan S,Nguyen YH,Oikkonen VM,Latva-Rasku A,Nuutila P,Laakso M,Koistinen HA</p>	<p>Year 2023</p> <p>Species Human</p>

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

Immunocytochemistry (7)

<p>PloS one</p> <p>Cell adhesion-induced transient interaction of ADAM15 with poly(A) binding protein at the cell membrane colocalizes with mRNA translation.</p> <p>"AHO0502 was used in Western Blotting to study the regulatory role of ADAM15 on mRNA translation at the cell membrane, and potential implications under pathologic conditions of matrix remodelling associated with ADAM15 upregulation."</p> <p>Authors: Böhm BB,Fehrl Y,Janczi T,Schneider N,Burkhardt H</p>	<p>Year 2019</p> <p>Species Human</p>
<p>Scientific reports</p> <p>The microRNA-200/Zeb1 axis regulates ECM-dependent 1-integrin/FAK signaling, cancer cell invasion and metastasis through CRKL.</p> <p>"Published figure using FAK polyclonal antibody (Product # AHO0502) in Western Blot"</p> <p>Authors: Ungewiss C,Rizvi ZH,Roybal JD,Peng DH,Gold KA,Shin DH,Creighton CJ,Gibbons DL</p>	<p>Year 2016</p> <p>Species Human</p>

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More applications with references on thermofisher.com

- IP (4)
- FN (1)

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