

FAK Monoclonal Antibody (34Q36)

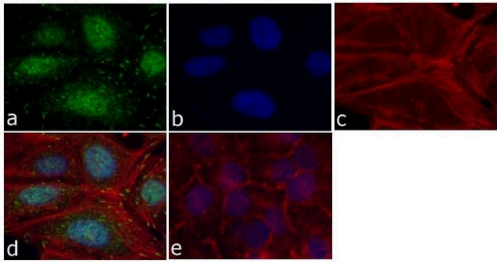
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	34Q36
Conjugate	Unconjugated
Immunogen	Recombinant fragment of human FAK expressed in E. coli.
Form	Liquid
Concentration	0.5 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2536330

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	5 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunocytochemistry (ICC/IF)	1:250	1 Publication

Product Images For FAK Monoclonal Antibody (34Q36)

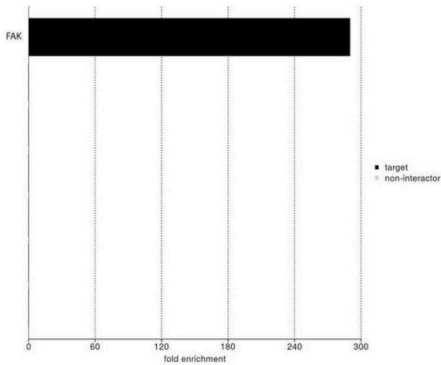
FAK Antibody (AHO1272) in ICC/IF

Immunofluorescent analysis of FAK was done on 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes; permeabilized with 0.25% Triton™ X-100 for 10 minutes followed by blocking with 5% BSA for 1 hour at room temperature. The cells were incubated with FAK Mouse Monoclonal Antibody (Product # AHO1272) at 1:250 dilution in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Rabbit Anti-Mouse IgG Secondary Antibody (Product # A-11059) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing membrane and cytoplasmic FAK localization. Panel e shows no primary antibody control. The images were captured at 20X magnification.



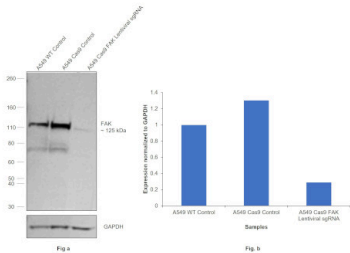
FAK Antibody (AHO1272)

IP-MS enrichment of FAK (LFQ intensity): FAK was enriched 290-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 # AHO1272). See more information on IP-MS verification of antibody selectivity. {IP-MS}



FAK Antibody (AHO1272)

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 Monoclonal Antibody (34Q36) (Product # AHO1272). {KO}



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Western Blot (5)

<p>American journal of cancer research</p> <p>Peruvoside is a novel Src inhibitor that suppresses NSCLC cell growth and motility by downregulating multiple Src-EGFR-related pathways.</p> <p>"AHO1272 was used in Western Blotting to suggest that peruvoside suppresses non-small-cell lung carcinoma (NSCLC) malignancy by downregulating multiple Src-related pathways and could serve as a potential base molecule for developing new anticancer drugs and therapeutic strategies for lung cancer."</p> <p>Authors: Lai Y,Chang H,Chen H,Chang G,Chen JJ</p>	<p>Year 2022</p> <p>Species Human</p>
<p>American journal of cancer research</p> <p>Tumor endothelial cells promote metastasis and cancer stem cell-like phenotype through elevated Epiregulin in esophageal cancer.</p> <p>"AHO1272 was used in western blot to investigate the molecular mechanisms by which human esophageal cancer endothelial cells contribute to esophageal carcinoma progression"</p> <p>Authors: Sun L,Pan J,Yu L,Liu H,Shu X,Sun L,Lou J,Yang Z,Ran Y</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1000 ng/ml</p>

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Immunocytochemistry (1)

<p>Life science alliance</p> <p>Nup93 regulates breast tumor growth by modulating cell proliferation and actin cytoskeleton remodeling.</p> <p>"Published figure using FAK monoclonal antibody (Product # AHO1272) in Immunofluorescence"</p> <p>Authors: Bersini S,Lytle NK,Schulte R,Huang L,Wahl GM,Hetzer MW</p>	<p>Year 2020</p>
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