

Mouse FAK (Tyr-397) Monoclonal Antibody

FAK (Tyr-397), phospho-specific, Mouse Monoclonal IgG1

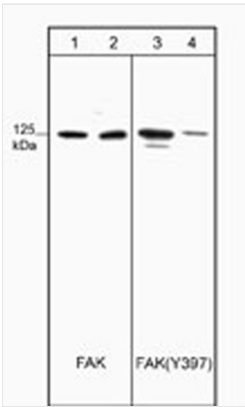
CATALOG # AAA14099	HOST Mouse	REACTIVITY Human, Rat, Mouse, Rabbit	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

FAK (Tyr-397); Monoclonal Antibody; phospho-specific; Mouse Monoclonal IgG1; Focal Adhesion Kinase 1; pp125FAK; anti-FAK (Tyr-397) antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Specificity	The antibody detects a 125 kDa* protein on SDS-PAGE immunoblots of untreated HUVEC cells. This phosphorylated band is greatly reduced after treatment with alkaline phosphatase.
Purity/Purification	Protein A Purified
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ml phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-FAK (Tyr-397) antibody	ELISA, WB (Western Blot)
Application Notes	ELISA: 1:2000 Western Blot: 1:500
Immunogen	Clone (M121) was generated from a synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 397 of human FAK. This peptide sequence has high homology to the conserved tyrosine site in rat and mouse FAK.
Buffer	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Preparation and Storage	Store at -20°C.



WB (Western Blot)
Western blot analysis of HUVECs untreated (lanes 1 & 3) or treated with alkaline phosphatase (lanes 2 & 4). Blots were probed with mouse monoclonal anti-FAK (lanes 1 & 2) and anti-FAK (Tyr-397) (lanes 3 & 4).

ADDITIONAL INFORMATION

Related Product Information for anti-FAK (Tyr-397) antibody	Focal adhesion kinase (FAK) is a widely expressed cytoplasmic protein tyrosine kinase involved in signal transduction pathways important for cell spreading, migration and survival. Activation of FAK by integrin clustering leads to autophosphorylation at Tyr-397, which is a binding site for Src family kinases, PI3-Kinase, and PLC-gamma. The recruitment of Src family kinases results in the phosphorylation of tyrosine 407, 576, and 577 in the catalytic domain, and tyrosine 871 and 925 in the carboxy-terminal region of FAK. Thus, the phosphorylation of Tyr-397 is a critical step in the activation of FAK.
References	• Cobb, B.S. et al. (1994) Mol. Cell. Biol. 14:147. • Parsons, J.T. et al. (2000) Oncogene 19:5606. • Schaller, M.D. et al. (1994) Mol. Cell. Biol. 14:1680. • Schlaepfer, D.D. et al. (1994) Nature 372:786-791.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.