

## Product datasheet for **TA389133**

### Phospho-PTK2 (pTyr397) Mouse Antibody [Clone ID: M121]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M121
Applications:	WB
Recommended Dilution:	<b>WB:</b> 1:500
Reactivity:	Human, Rat, Mouse, Rabbit
Host:	Mouse
Isotype:	IgG1
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.
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.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	125
Database Link:	<a href="#">Q05397</a>
Background:	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.



[View online »](#)

**Note:** Protein G purified tissue culture supernatant.