

**Antibody to FAK (3C4)**  
**MOUSE MONOCLONAL**

**Catalog Number:** AB-V63  
**Quantity:** 100 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.  
**Host:** Mouse  
**Isotype:** IgG1  
**Clone:** 3C4  
**Immunogen:** Affinity-purified tyrosine phosphoproteins from chick embryo fibroblasts expressing activated pp60src

**Background:** Focal adhesion kinase (FAK) is a non-receptor tyrosine kinase localized at focal adhesions, specialized structures that connect the extracellular matrix to the actin cytoskeleton. Tensin, another focal adhesion component, is a multi-domain protein implicated in cell migration, fibrillar adhesion formation, cartilage development, and the integration of signaling pathways with the cytoskeleton. Tensin has also been identified as a potential therapeutic target in renal disease, wound healing, and cancer.

**Specificity & Preparation:** This mouse IgG1 antibody is generated against tyrosine phosphoproteins purified from chicken embryonic fibroblasts (CEFs) expressing pp60/c-src 527F and 2A/527F and recognizes chicken FAK.

**Usage:** Applications include western blot and immunoprecipitation. Working dilutions must be determined by end user.

**Storage:** Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Kanner SB, Reynolds AB, Vines RR, Parsons JT (1990) Monoclonal antibodies to individual tyrosine-phosphorylated protein substrates of oncogene-encoded tyrosine kinases. Proc Natl Acad Sci U S A 87(9):3328-3332. doi: 10.1073/pnas.87.9.3328 PMID: 2110361

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