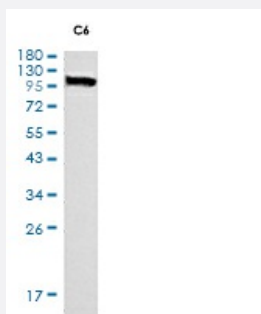


RecomAb™

# PTK2 recombinant monoclonal antibody, clone R05-1A1

Catalog # RAB01227      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Phospho-FAK (Tyr397) in C6 lysates using Phospho-FAK (Tyr397) antibody.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human PTK2.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against synthetic phosphopeptide corresponding to residues surrounding Tyr397 of human FAK.
<b>Theoretical MW (kDa)</b>	Calculated MW: 119 k
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50mM Tris-Glycine pH 7.4 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at 4°C. For longer storage, aliquot and store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Phospho-FAK (Tyr397) in C6 lysates using Phospho-FAK (Tyr397) antibody.

## Gene Info — PTK2

**Entrez GeneID**[5747](#)**Protein Accession#**[Q05397](#)**Gene Name**

PTK2

**Gene Alias**

FADK, FAK, FAK1, pp125FAK

**Gene Description**

PTK2 protein tyrosine kinase 2

**Omim ID**[600758](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length nature of only two of them have been determined. [provided by RefSeq]

**Other Designations**

focal adhesion kinase 1

## Pathway

- [Axon guidance](#)

- [Chemokine signaling pathway](#)

- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)
- [VEGF signaling pathway](#)

## Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Mental Retardation](#)
- [Neovascularization](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)