

Basic Information

Product Name	Anti-FAK/ PTK2 (Phospho-Y397) Antibody (Clone#EFO-16)		
Gene Name	PTK2		
Source	Rabbit		
Clonality	Monoclonal		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, ICC/IF		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
Immunogen	A synthesized peptide derived from human Phospho-FAK (Y397)		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	119 kDa		
Dilution Ratios	Western blot (WB):	1:500-2000	
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200	

Storage

12 months from date of receipt, -20°C as supplied.

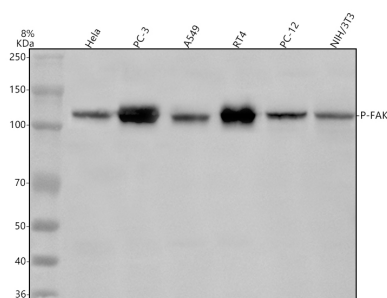
Background Information

PTK2 protein tyrosine kinase 2 (PTK2), also known as Focal Adhesion Kinase (FAK), is a protein that, in humans, is encoded by the PTK2 gene. 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. Several transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only three of them have been determined.

Reference

Anti-FAK/ PTK2 (Phospho-Y397) Antibody (Clone#EFO-16)被引用在5文献中。

Selected Validation Data



Western blot analysis of anti-FAK/ PTK2 (Phospho-Y397) antibody (BM4426). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,

Lane 2: human PC-3 whole cell lysates,

Lane 3: human A549 whole cell lysates,

Lane 4: human RT4 whole cell lysates,

Lane 5: rat PC-12 whole cell lysates,

Lane 6: mouse NIH/3T3 tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-FAK/ PTK2 (Phospho-Y397) antigen affinity purified monoclonal antibody (BM4426) at a dilution of 1:1000 and probed with a goat anti-rabbit

IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197).

A specific band was detected for FAK/ PTK2 (Phospho-Y397) at approximately 119 kDa. The expected band size for FAK/ PTK2 (Phospho-Y397) is at 119 kDa.