

Basic Information

Product Name	Anti-FAK/PTK2 Antibody (Clone#DDD-16)	
Gene Name	PTK2	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
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 FAK	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	119 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:30
	Flow Cytometry (FCM):	1:50

Storage

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

Background Information

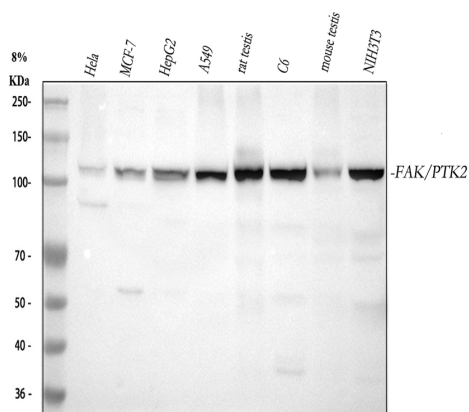
PTK2 protein tyrosine kinase 2 (PTK2), also known as Focal Adhesion Kinase (FAK), is a protein that, in humans, is encoded by the PTK2 gene. This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular 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 Antibody (Clone#DDD-16)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-FAK/PTK2 antibody (BM4303). 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 MCF-7 whole cell lysates,

Lane 3: human HepG2 whole cell lysates,

Lane 4: human A549 whole cell lysates,

Lane 5: rat testis tissue lysates,

Lane 6: rat C6 whole cell lysates,

Lane 7: mouse testis tissue lysates,

Lane 8: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-FAK/PTK2 antigen affinity purified monoclonal antibody (BM4303) 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 at approximately 119 kDa. The expected band size for FAK/PTK2 is at 119 kDa.

Product datasheet

**Anti-FAK/PTK2 Antibody
(Clone#DDD-16)**

Catalog Number: BM4303

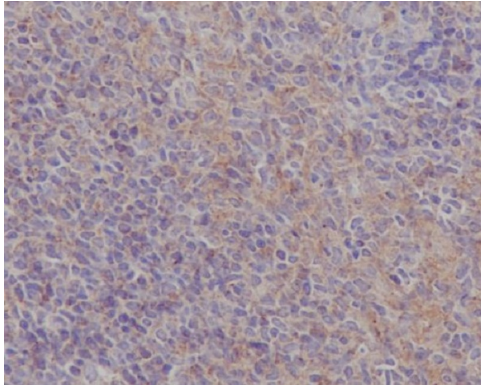
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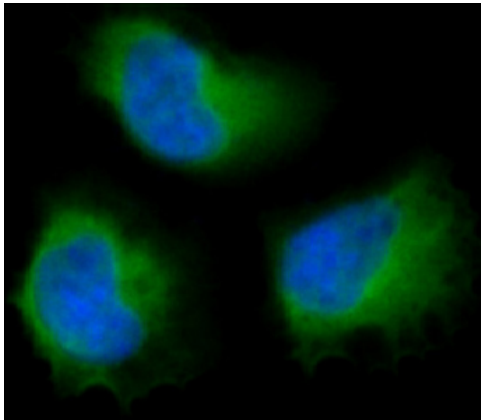
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Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Immunohistochemical analysis of paraffin-embedded mouse spleen, using FAK Antibody.



Immunofluorescent analysis of HeLa cells, using FAK Antibody.