

Basic Information

Product Name	Anti-FAK/PTK2 Antibody (Clone#OTI4A8)	
Gene Name	PTK2	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human PTK2(NP_722560) produced in HEK293T cell.	
Concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	119 kDa	
Dilution Ratios	Western blot (WB):	1:4000
	Immunohistochemistry (IHC):	1:150
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:100

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

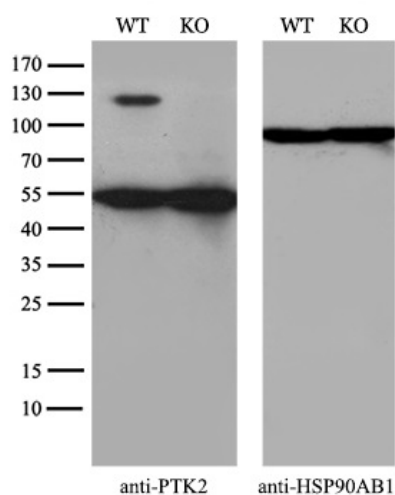
PTK2 protein tyrosine kinase 2 (PTK2), also known as Focal Adhesion Kinase (FAK), is a protein that, in humans, is encoded by the PTK2 gene. This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular 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 natures

of only three of them have been determined.

Reference

Anti-FAK/PTK2 Antibody (Clone#OTI4A8)被引用在1文献中。

Selected Validation Data



Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT) and PTK2-Knockout 293T cells (KO) were separated by SDS-PAGE and immunoblotted with anti-PTK2 monoclonal antibody M00151-1, (1:100). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([M01692-2]) as a loading control.