Datasheet for ABIN7296760

anti-FAK antibody (C-Term, pTyr925)

2 Images

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Overview

Quantity:	100 µL
Target:	FAK (PTK2)
Binding Specificity:	C-Term, pTyr925
Reactivity:	Human, Mouse, Rat, Chicken, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Focal Adhesion Kinase.
Specificity:	Recognizes endogenous levels of Focal Adhesion Kinase (pY925) protein.
Characteristics:	Rabbit polyclonal antibody to Focal Adhesion Kinase (pY925)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	FAK (PTK2)
Alternative Name:	Focal Adhesion Kinase (PTK2 Products)
Background:	FAK, FAK1, Focal adhesion kinase 1, FADK 1, Focal adhesion kinase-related nonkinase, FRNK,

Target Details

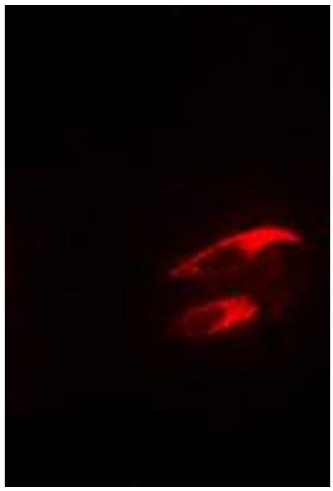
	Protein phosphatase 1 regulatory subunit 71, PPP1R71, Protein-tyrosine kinase 2, p125FAK, pp125FAK
Gene ID:	5747, 14083, 25614
UniProt:	Q05397, P34152, O35346
Pathways:	Response to Growth Hormone Stimulus, CXCR4-mediated Signaling Events, Smooth Muscle Cell Migration, Signaling of Hepatocyte Growth Factor Receptor, VEGF Signaling

Application Details

Application Notes:	WB (1:500 - 1:1000), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

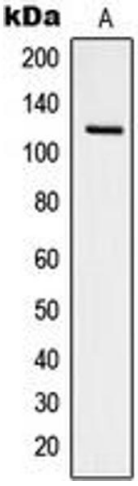
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



Immunofluorescence

Image 1. Immunofluorescent analysis of Focal Adhesion Kinase (pY925) staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Western Blotting

Image 2. Western blot analysis of Focal Adhesion Kinase (pY925) expression in NIH3T3 pervanadate-treated (A) whole cell lysates.