Datasheet for ABIN6283439

anti-FAK antibody (pTyr397)

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Overview

Quantity:	50 µL
Target:	FAK (PTK2)
Binding Specificity:	AA 340-420, pTyr397
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	FAK is a protein encoded by the PTK2 gene which is approximately 119,2 kDa. FAK is localised to the cell membrane and cytoplasm. It is involved in ERK signalling, integrin pathway and EPH-ephrin signalling. It is a non-receptor protein-tyrosine kinase that plays an essential role in regulating cell migration, adhesion, spreading, reorganization of the actin cytoskeleton, formation and disassembly of focal adhesions and cell protrusions, cell cycle progression, cell proliferation and apoptosis. FAK is ubiquitously expressed with Isoform 1 and isoform 6 expressed in lung fibroblasts. Mutations in the PTK2 gene may result in malignant glioma. STJ93024 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of FAK protein only when phosphorylated at Y397.This primary antibody specifically binds to endogenous FAK protein which only binds about Y397 when Y397 is phosphorylated.
Immunogen:	Synthesized peptide derived from human FAK around the phosphorylation site of Y397.

Product Details

Isotype:	IgG
Specificity:	Phospho-FAK (Y397) Polyclonal Antibody detects endogenous levels of FAK protein only when phosphorylated at Y397.
Characteristics:	Rabbit polyclonal to Phospho-FAK (Y397).
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	FAK (PTK2)
Alternative Name:	FAK (PTK2 Products)
Molecular Weight:	119 kDa
Gene ID:	5747
UniProt:	Q05397
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 1:500-1:2000 IHC 1:100-1:300 ELISA 1:5000
Comment:	Detected in B and T-lymphocytes. Isoform 1 and isoform 6 are detected in lung fibroblasts (at protein level). Ubiquitous.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.