



Rabbit Anti-Human FAK Polyclonal Antibody (CABT-L2131)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Focal Adhesion Kinase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against FAK. It has been selected for its ability to recognize FAK in immunohistochemical staining and western blotting.
Target	FAK
Immunogen	Recombinant fragment corresponding to human PTK2 (Gly798~Ala1041)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. [provided by RefSeq, Dec 2010]
Keywords	PTK2;FADK;FAK1;Pp125FAK;PPP1R71;Protein Tyrosine Kinase 2;Focal adhesion kinase-related nonkinase;Protein phosphatase 1 regulatory subunit 71

GENE INFORMATION

Gene Name	PTK2 protein tyrosine kinase 2 [Homo sapiens (human)]
Official Symbol	PTK2
Synonyms	PTK2; protein tyrosine kinase 2; FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK; focal adhesion kinase 1; FADK 1; PTK2 protein tyrosine kinase 2; FAK-related non-kinase polypeptide; focal adhesion kinase isoform FAK-Del33; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; protein phosphatase 1, regulatory subunit 71;
Protein Refseq	NP_001186578
UniProt ID	Q05397
Chromosome Location	8q24.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Amoebiasis; Androgen receptor signaling pathway; Angiogenesis; Apoptosis; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Axon guidance;
Function	ATP binding; JUN kinase binding; SH2 domain binding; actin binding; non-membrane spanning protein tyrosine kinase activity; protein binding; protein kinase activity; protein kinase binding;

protein tyrosine kinase activity; receptor binding; signal transducer activity;
