



Rabbit Anti-Human PTK2 (Phospho Y576) Polyclonal Antibody (CABT-CS435)

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

PRODUCT INFORMATION

Specificity	This antibody recognizes FAK (pY576) with a phosphorylated site at Tyrosine 576. It does not cross-react with non-phosphospecific peptide.
Target	PTK2
Immunogen	A synthetic peptide surrounding to the epitope -STYYKA- with a phosphorylation site at Tyrosine 576 of human FAK protein. This sequence is identical among human, mouse and rat.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugate	unconjugated
Applications	IHC (P), WB, ELISA, IP
Format	Liquid
Size	100 µg
Buffer	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Preservative	None
Storage	The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity.

Avoid repeated freezing-thawing cycles.

BACKGROUND

Introduction

Focal adhesion kinase (FAK) 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 kinase but lacks significant sequence similarity to kinase from other subfamilies. Activation by phosphorylation of Y397, Y576/577 and Y863 of FAK protein 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. Increased FAK expression has been correlated with the enhanced motility and invasiveness of human tumor cells, as well as with promoting increased cell proliferation.

Keywords

PTK2; protein tyrosine kinase 2; FAK; FADK; FAK1; FRNK; PPP1R71
