



# FAK (phospho Tyr407) rabbit pAb

Cat No.:ES1484

For research use only

## Overview

<b>Product Name</b>	FAK (phospho Tyr407) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FAK around the phosphorylation site of Tyr407. AA range:373-422
<b>Specificity</b>	Phospho-FAK (Y407) Polyclonal Antibody detects endogenous levels of FAK protein only when phosphorylated at Y407.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Focal adhesion kinase 1
<b>Gene Name</b>	PTK2
<b>Cellular localization</b>	Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Nucleus. Cytoplasm, cytoskeleton, cilium basal body . Constituent of focal adhesions. Detected at microtubules.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	125kD
<b>Human Gene ID</b>	5747
<b>Human Swiss-Prot Number</b>	Q05397



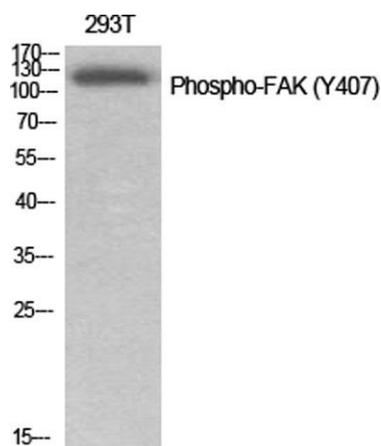


### Alternative Names

PTK2; FAK; FAK1; Focal adhesion kinase 1; FADK 1; Focal adhesion kinase-related nonkinase; FRNK; Protein phosphatase 1 regulatory subunit 71; PPP1R71; Protein-tyrosine kinase 2; p125FAK; pp125FAK

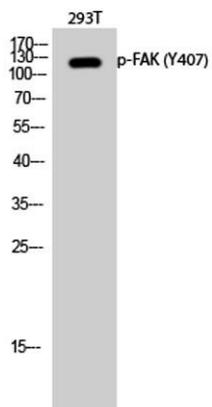
### Background

protein tyrosine kinase 2(PTK2) Homo sapiens  
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 nature of only four of them have been determined. [provided by RefSeq, Oct 2015],



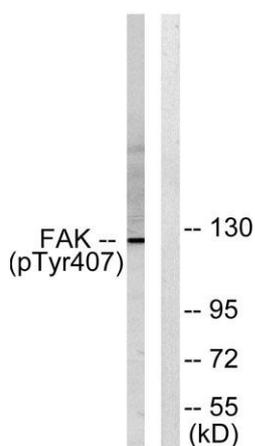
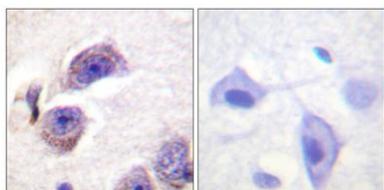
Western Blot analysis of various cells using Phospho-FAK (Y407) Polyclonal Antibody diluted at 1:1000





Western Blot analysis of 293T cells using Phospho-FAK (Y407) Polyclonal Antibody diluted at 1:1000

Immunohistochemistry analysis of paraffin-embedded human brain, using FAK (Phospho-Tyr407) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with EGF 200ng/ml 30', using FAK (Phospho-Tyr407) Antibody. The lane on the right is blocked with the phospho peptide.

