

## FAK(Phospho Tyr407) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP15522
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<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>Mol wt</b>	119233
<b>Species reactivity</b>	Human, Mouse, Rat, Monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Focal adhesion kinase 1
<b>Synonyms</b>	Focal adhesion kinase 1; 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

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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 four of them have been determined.

### Recommended Dilution

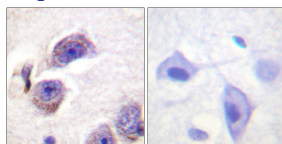
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

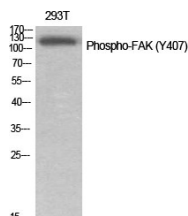
ELISA: 1: 5000

Not yet tested in other applications.

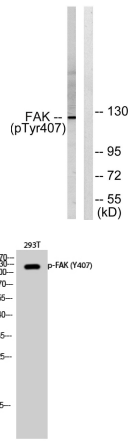
### Images



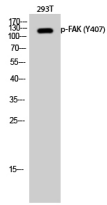
Immunohistochemistry analysis of paraffin-embedded human brain, using FAK (Phospho-Tyr407) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of 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



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.

### Storage

-20°C for 1 year

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