

FAK(Phospho Tyr397) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00661
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	The antiserum was produced against synthesized peptide derived from human FAK around the phosphorylation site of Tyr397. AA range:363-412
Mol wt	119233
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Focal adhesion kinase 1
Synonyms	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 nature of only four of them have been determined.

Recommended Dilution

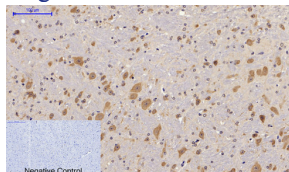
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

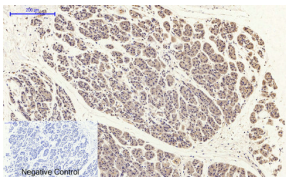
ELISA: 1: 5000

Not yet tested in other applications.

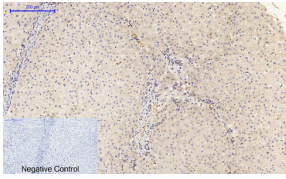
Images



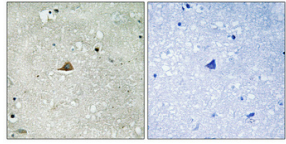
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,FAK (phospho Tyr397) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



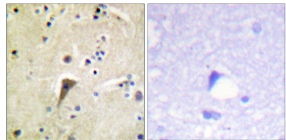
Immunohistochemical analysis of paraffin-embedded Human-stomach-cancer tissue. 1,FAK (phospho Tyr397) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



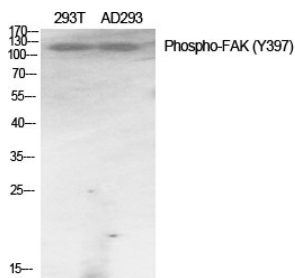
Immunohistochemical analysis of paraffin-embedded Mouse-brain tissue. 1,FAK (phospho Tyr397) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



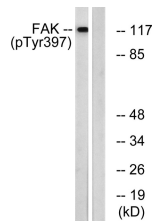
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



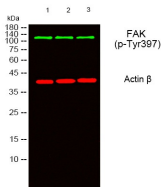
Immunohistochemistry analysis of paraffin-embedded human brain, using CLUS Antibody. The picture on the right is blocked with the synthesized peptide.



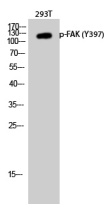
Western blot analysis of lysates from 1) 293T, 2) AD293, 3) HeLa cells, (Green) primary antibody was diluted at 1:1000, 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1hour. (Red) Actin β Monoclonal Antibody(5B7) was diluted at 1:5000 as loading control, 4°C overnight,secondary antibody was diluted at 1:10000, 37°C 1hour.



Western Blot analysis of various cells using Phospho-FAK (Y397) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293T cells using Phospho-FAK (Y397) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat cells treated with Ca²⁺ 40nM 30', using FAK (Phospho-Tyr397) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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