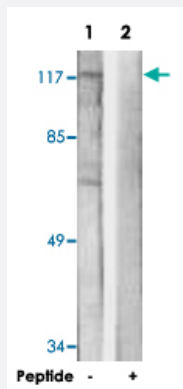


PTK2 polyclonal antibody

Catalog # PAB18153 Size 100 ug

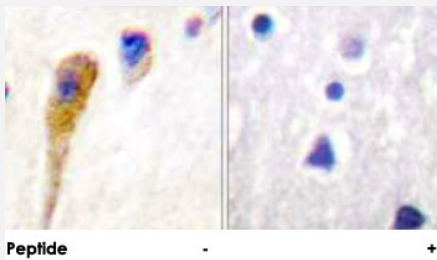
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using PTK2 polyclonal antibody (Cat # PAB18153).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using PTK2 polyclonal antibody (Cat # PAB18153).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PTK2.
Immunogen	A synthetic peptide corresponding to human PTK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to PTK2.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using PTK2 polyclonal antibody (Cat # PAB18153).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using PTK2 polyclonal antibody (Cat # PAB18153).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTK2

Entrez GeneID	5747
Protein Accession#	Q05397
Gene Name	PTK2
Gene Alias	FADK, FAK, FAK1, pp125FAK
Gene Description	PTK2 protein tyrosine kinase 2
Omim ID	600758
Gene Ontology	Hyperlink

Gene Summary

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. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length natures of only two of them have been determined. [provided by RefSeq]

Other Designations

focal adhesion kinase 1

Publication Reference

- [FAK potentiates Rac1 activation and localization to matrix adhesion sites: a role for betaPIX.](#)

Chang F, Lemmon CA, Park D, Romer LH.

Molecular Biology of the Cell 2007 Jan; 18(1):253.

Application: WB-Re, Recombinant protein

- [FAK-dependent regulation of myofibroblast differentiation.](#)

Greenberg RS, Bernstein AM, Benezra M, Gelman IH, Taliana L, Masur SK.

FASEB Journal 2006 May; 20(7):1006.

Application: IF, WB, Mouse, MEFs

- [Cas, Fak and Pyk2 function in diverse signaling cascades to promote Yersinia uptake.](#)

Bruce-Staskal PJ, Weidow CL, Gibson JJ, Bouton AH.

Journal of Cell Science 2002 Jul; 115(Pt 13):2689.

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathways in cancer](#)

- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)
- [VEGF signaling pathway](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Mental Retardation](#)
- [Neovascularization](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)