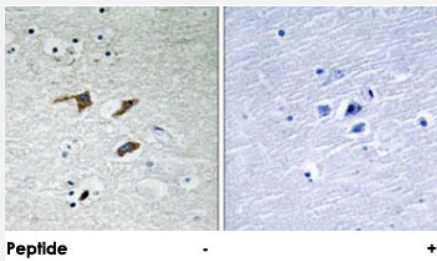


PTK2 polyclonal antibody

Catalog # PAB18504 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using PTK2 polyclonal antibody (Cat # PAB18504).

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 Immunohistochemistry (1:50-1:100)
ELISA (1:40000)
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

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

Immunohistochemical analysis of paraffin-embedded human brain tissue using PTK2 polyclonal antibody (Cat # PAB18504).
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

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](#)