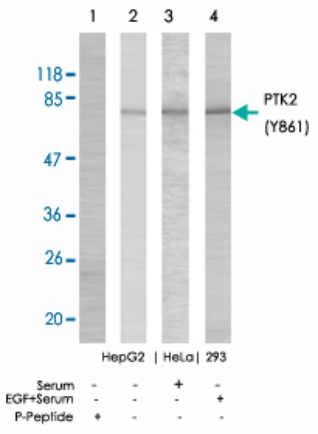
PTK2 (phospho Y861) polyclonal antibody

Catalog # PAB25279 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HepG2, HeLa and 293 cells using PTK2 (phospho Y861) polyclonal antibody (Cat # PAB25279).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of PTK2.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y861 of human PTK2.
Sequence	H-I-Yp-Q-P
Host	Rabbit
Theoretical MW (kDa)	125
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HepG2, HeLa and 293 cells using PTK2 (phospho Y861) polyclonal antibody (Cat # PAB25279).

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. Th e encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks signific ant sequence similarity to kinases from other subfamilies. Activation of this gene may be an impor tant early step in cell growth and intracellular signal transduction pathways triggered in response t o 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

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- 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

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