

DNAxPAb

Hard-to-Find  
Antibody

# PTK2 DNAxPab

Catalog # H00005747-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human PTK2 DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                | MKYQEVRCLTSFNISVSFPAETDDYAEIIDEEDTYTMPSTRDYEIQRERIELGRCIGEGQFGDVHQGI<br>YMSPENPALAVAIAKTCKNCTSDSVREKFLQEALTMRQFDHPHIVKLIGVITENPVWIMELCTLGELR<br>SFLQVRKYSLDLASLILYAYQLSTALAYLESKRFBVHRDIAARNVLVSSNDCVKLGDFGLSRYMEDS<br>TYYKASKGKLPKWMAPESINFRRFTSASDVWMFVCMWEILMHGVKPFQGVKNNDVIGRIENGE<br>RLPMPPNCPPTLYSLMTKCWAYDPSRRPRFTELKAQLSTILEEEKAQQEERMESRRQATVSW<br>DSGGSDEAPPKPSRPGYSPRSSEGFYSPQHMVQTNHYQVSGYPGSHGITAMAGSIYPGQASL<br>LDQTD SWNHRPQEIAMWQPNVEDSTVLDLRGIGQVLP THLMEERLIRQQEMEEDQRWLEKEE<br>RFLKPDVRLSRGSDREDGSLQGPIGNQHIYQPVGKPDPAAPPKKPPRPGAPGHLGSLASLSSPA<br>DSYNEGVLKPKQEISPPPTANLDRSNDKVYENV TGLVKAVIEMSSKIQPAPPEEYVPMVKEVGLA<br>LRTLLATVDETIPLLPASTHREIEMAQKLLNSDLGELINKMKLAQQYVMTSLQQEYKKQMLTAAHAL<br>AVDAKNLLDVIDQARLKMLGQTRRH |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — PTK2

Entrez GeneID [5747](#)

GeneBank Accession# [BC028733](#)

Protein Accession# [AAH28733](#)

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 nature 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](#)