

## Rabbit PTK2B Polyclonal Antibody | anti-PTK2B antibody

PTK2B Rabbit Polyclonal Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA313636</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

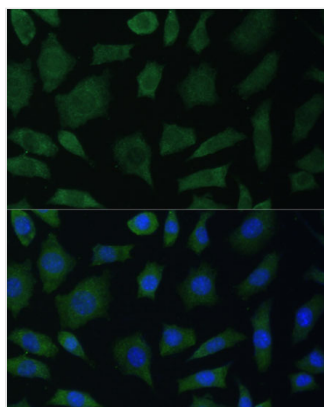
### PRODUCT SYNONYMS

PTK2B; Polyclonal Antibody; PTK2B Rabbit Polyclonal Antibody; CADTK; CAKB; FADK2; FAK2; PKB; PTK; PYK2; RAFTK; Pyk2; anti-PTK2B antibody

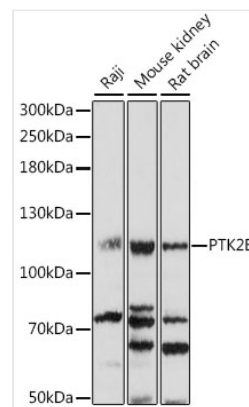
### PRODUCT SPECIFICATIONS

|                                                 |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| Host                                            | Rabbit                                                    |
| Reactivity                                      | Human, Mouse, Rat                                         |
| Clonality                                       | Polyclonal                                                |
| Isotype                                         | IgG                                                       |
| Purity/Purification                             | Affinity purification                                     |
| Form/Format                                     | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Applicable Applications for anti-PTK2B antibody | IF (Immunofluorescence), WB (Western Blot)                |
| Immunogen                                       | A synthetic peptide of human PTK2B (NP_004094.3).         |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.          |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of L929 cells using PTK2B at dilution of 1:100. Blue: DAPI for nuclear staining.


**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using PTK2B at 1:1000 dilution.

## ADDITIONAL INFORMATION

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|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTK2B antibody | This gene encodes a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene. |
| Product Categories/Family for anti-PTK2B antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 27886584                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 2185                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_004094.3                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_004103.4                                                                                                                                                                                                                                                     |
| UniProt Accession #              | Q14289; Q13475; Q14290; Q16709; Q6PID4; D3DST0                                                                                                                                                                                                                  |
| Molecular Weight                 | 115,875 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | protein-tyrosine kinase 2-beta isoform a                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | protein tyrosine kinase 2 beta                                                                                                                                                                                                                                  |
| NCBI Official Symbol             | PTK2B                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK                                                                                                                                                                                                                 |
| NCBI Protein Information         | protein-tyrosine kinase 2-beta; FADK 2; CAK-beta; protein kinase B; focal adhesion kinase 2; cell adhesion kinase beta; proline-rich tyrosine kinase 2; calcium-dependent tyrosine kinase; PTK2B protein tyrosine kinase 2 beta; related adhesion focal tyrosin |
| UniProt Protein Name             | Protein-tyrosine kinase 2-beta                                                                                                                                                                                                                                  |
| UniProt Gene Name                | <b>PTK2B</b>                                                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | FAK2; PYK2; RAFTK; CADTK; CAK-beta; CAKB; FADK 2; RAFTK                                                                                                                                                                                                         |
| UniProt Entry Name               | FAK2_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ptk2b-antibody-immunofluorescence-western-blot-elisa/313636>