

# Rabbit anti-Human, Mouse Focal Adhesion Kinase Polyclonal Antibody | anti-PTK2 antibody

Anti-Focal Adhesion Kinase Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                                     |
|-----------|--------|--------------|--------------------------------------------------------------------------------------------------|
| AAA260577 | Rabbit | Human, Mouse | Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

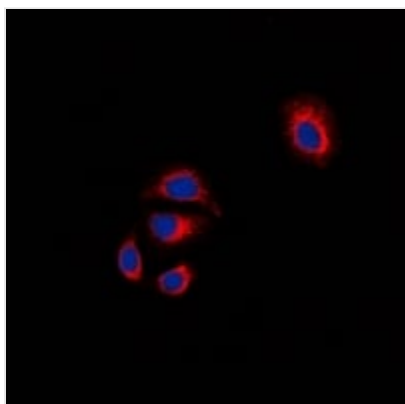
## PRODUCT SYNONYMS

Focal Adhesion Kinase; Polyclonal Antibody; Anti-Focal Adhesion Kinase Antibody; FAK; FAK1; Focal adhesion kinase 1; FADK 1; Focal adhesion kinase-related nonkinase; FRNK; Protein phosphatase 1 regulatory subunit 71; PPP1R71; Protein-tyrosine kinase 2; p125FAK; pp125FAK; anti-PTK2 antibody

## PRODUCT SPECIFICATIONS

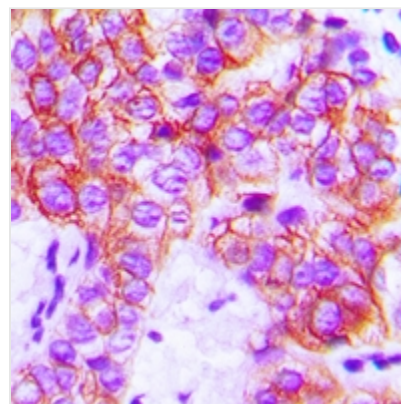
|                                                |                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                               |
| Reactivity                                     | Human, Mouse                                                                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                           |
| Specificity                                    | Recognizes endogenous levels of Focal Adhesion Kinase protein.                                                                                       |
| Purity/Purification                            | The antibody was purified by affinity chromatography.                                                                                                |
| Form/Format                                    | Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% Sodium Azide.                                                                                             |
| Sequence Length                                | 1052                                                                                                                                                 |
| Applicable Applications for anti-PTK2 antibody | IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                          |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Focal Adhesion Kinase. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                                       |

## IMAGES



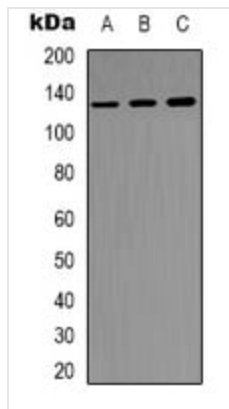
### IF (Immunofluorescence)

Immunofluorescent analysis of Focal Adhesion Kinase staining in HT29 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### IHC (Immunohistochemistry)

Immunohistochemical analysis of Focal Adhesion Kinase staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



**WB (Western Blot)**  
Western blot analysis of Focal Adhesion Kinase expression in HT29 (A), HeLa (B), NIH3T3 (C) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                    |                                                     |
|----------------------------------------------------|-----------------------------------------------------|
| Related Product Information for anti-PTK2 antibody | Rabbit polyclonal antibody to Focal Adhesion Kinase |
|----------------------------------------------------|-----------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 3183518                                                |
| NCBI GeneID                      | 5747                                                   |
| UniProt Accession #              | Q05397; Q14291; Q8IYN9; Q9UD85; B4E2N6; F5H4S4; J3QT16 |
| Molecular Weight                 | 114,253 Da                                             |
| NCBI Official Full Name          | Focal adhesion kinase 1                                |
| NCBI Official Synonym Full Names | protein tyrosine kinase 2                              |
| NCBI Official Symbol             | PTK2                                                   |
| NCBI Official Synonym Symbols    | FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK      |
| NCBI Protein Information         | focal adhesion kinase 1                                |
| UniProt Protein Name             | Focal adhesion kinase 1                                |
| UniProt Gene Name                | <b>PTK2</b>                                            |
| UniProt Synonym Gene Names       | FAK; FAK1; FADK 1; FRNK; PPP1R71                       |
| UniProt Entry Name               | FAK1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/focal-adhesion-kinase-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/260577>