

## Rabbit FAK Polyclonal Antibody | anti-FAK antibody

FAK (phospho-Tyr576/Tyr577) Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA306699</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

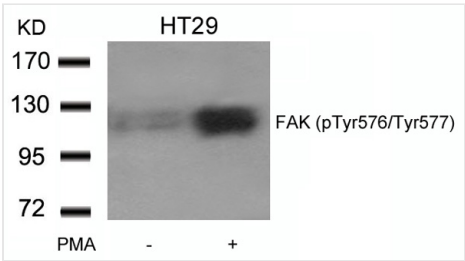
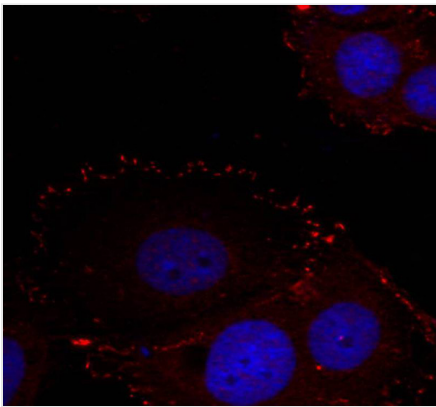
### PRODUCT SYNONYMS

FAK; Polyclonal Antibody; FAK (phospho-Tyr576/Tyr577) Antibody; FADK 1; FAK1; PTK2; anti-FAK antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                  |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                           |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                                                                                                                |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                       |
| Specificity                                   | The antibody detects endogenous level of FAK only when phosphorylated at tyrosine 576/577.                                                                                                                                                                       |
| Purity/Purification                           | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using |
| Form/Format                                   | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                     |
| Concentration                                 | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                        |
| Sequence Length                               | 1065                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-FAK antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                       |
| Immunogen Type                                | Peptide-KLH                                                                                                                                                                                                                                                      |
| Immunogen Description                         | Peptide sequence around phosphorylation site of tyrosine 576/tyrosine 577 (S-T-Y(p)-Y(p)-K-A) derived from Human FAK.                                                                                                                                            |
| Modification                                  | Phospho-Tyr576/Tyr577                                                                                                                                                                                                                                            |
| Target Name                                   | FAK                                                                                                                                                                                                                                                              |
| Preparation and Storage                       | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                                                                                                          |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from HT29 cells untreated or treated with PMA using FAK(phospho-Tyr576/Tyr577) Antibody.

**IF (Immunofluorescence)**  
Immunofluorescence staining of methanol-fixed HeLa cells using FAK(phospho-Tyr576/Tyr577) Antibody.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FAK antibody | Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (GPCR) occupancy by ligands such as bombesin or lysophosphatidic acid, or via LDL receptor occupancy. Plays a potential role in oncogenic transformations resulting in increased kinase activity. |
| Product Categories/Family for anti-FAK antibody   | Phospho-specific Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 313851044                                              |
| NCBI GeneID                      | 5747                                                   |
| NCBI Accession #                 | NP_001186578.1                                         |
| NCBI GenBank Nucleotide #        | NM_001199649.1                                         |
| UniProt Accession #              | Q05397; Q14291; Q8IYN9; Q9UD85; B4E2N6; F5H4S4; J3QT16 |
| Molecular Weight                 | 114,253 Da                                             |
| NCBI Official Full Name          | focal adhesion kinase 1 isoform c                      |
| 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                | PTK2                                                   |
| 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.

