

## Rabbit FAK Polyclonal Antibody | anti-FAK antibody

Phospho-FAK (Ser722) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA31446  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA |

### PRODUCT SYNONYMS

FAK; Polyclonal Antibody; Phospho-FAK (Ser722) Antibody; FADK 1; FADK; FAK related non kinase polypeptide; FAK1; FAK1\_HUMAN; Focal adhesion kinase 1; Focal adhesion Kinase; Focal adhesion kinase isoform FAK Del33; Focal adhesion kinase related nonkinase; FRNK; p125FAK; pp125FAK; PPP1R71; Protein phosphatase 1 regulatory subunit 71; Protein tyrosine kinase 2; Protein-tyrosine kinase 2; Ptk2; PTK2 protein tyrosine kinase 2; anti-FAK antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                                                             |
| Isotype                                       | Rabbit IgG                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                   | Phospho-FAK (Ser722) Antibody detects endogenous levels of FAK only when phosphorylated at Ser722.<br>Tissue Specificity: Detected in B and T-lymphocytes. Isoform 1 and isoform 6 are detected in lung fibroblasts (at protein level). Ubiquitous.                                                                                                    |
| Purity/Purification                           | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.                                                                                                                                                                                         |
| Form/Format                                   | Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                                                                       |
| Concentration                                 | ~1mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-FAK antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA (Peptide ELISA)                                                                                                                                                                                                                               |
| Application Notes                             | WB: 1:1000-3000<br>IF/ICC: 1:100-1:500<br>IHC: 1:50-1:200<br>Peptide ELISA: 1:20,000-1:40,000<br>ELISA (peptide): 1:20000-1:40000<br>The optimal dilution should be determined by the end user.<br>IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight. |
| Immunogen                                     | A synthesized peptide derived from human FAK around the phosphorylation site of Ser722.                                                                                                                                                                                                                                                                |
| Preparation and Storage                       | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                                                                                                                                                                                      |

IMAGES



Application Data

At 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



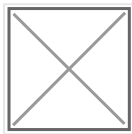
IHC (Immunohistochemistry)

At 1/100 staining Mouse stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

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; Q9UD85; B4E2N6; F5H4S4                                                                                                                                                                                                  |
| Molecular Weight                 | 125kDa                                                                                                                                                                                                                                  |
| 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; FADK 1; PTK2 protein tyrosine kinase 2; FAK-related non-kinase polypeptide; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; protein phosphatase 1, regulatory subunit 71 |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fak-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-peptide-elisa-elisa/31446>