bs-1340R **[Primary Antibody]**

FAK Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5747 **SWISS:** Q05397

Target: FAK

Immunogen: KLH conjugated synthetic peptide derived from human FAK: 901-1052/1052.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. [SUBCELLULAR LOCATION] Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Constituent of focal adhesions.

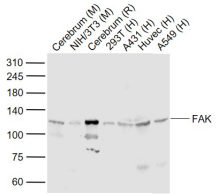
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

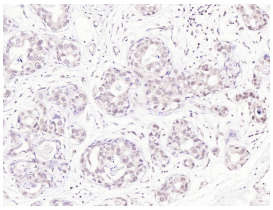
Predicted MW.: 116 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

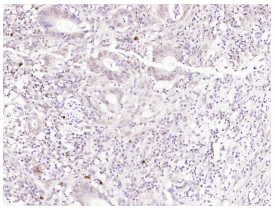
VALIDATION IMAGES



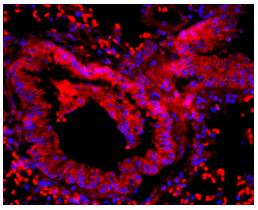
Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: NIH/3T3 (Mouse) Cell Lysate at 30 ug Lane 3: Cerebrum (Rat) Lysate at 40 ug Lane 4: 293T (Human) Cell Lysate at 30 ug Lane 5: A431 (Human) Cell Lysate at 30 ug Lane 6: Huvec (Human) Cell Lysate at 30 ug Lane 7: A549 (Human) Cell Lysate at 30 ug Primary: Anti-FAK (bs-1340R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 125 kD Observed band size: 120 kD



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (bs-1340R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (bs-1340R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: mouse lung tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (

0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FAK/PTK2 Polyclonal Antibody, Unconjugated(bs-1340R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

SELECTED CITATIONS

- **[IF=11.161]** Huang, Chengmei. et al. Tumor cell-derived SPON2 promotes M2-polarized tumor-associated macrophage infiltration and cancer progression by activating PYK2 in CRC. J Exp Clin Canc Res. 2021 Dec;40(1):1-17 WB ;human. 34583750
- **[IF=7.59]** Zhenyin Chen. et al. Dynamic stiffening collagen-coated substrate enhances osteogenic differentiation of mesenchymal stem cells through integrin α2β1. BIOMATER SCI-UK. 2023 May;: WB,IF,ICC ;Rat. 37233200
- **[IF=4.9]** Mohammad Abul Hasnat. et al. Action Mechanisms of Exosomes Derived from GD3/GD2-Positive Glioma Cells in the Regulation of Phenotypes and Intracellular Signaling: Roles of Integrins. INT J MOL SCI. 2024 Jan;25(23):12752 WB ;Human. 39684463
- **[IF=4.848]** Danning Wang. et al. Cyclin G2 Inhibits Oral Squamous Cell Carcinoma Growth and Metastasis by Binding to IGFBP3 and Regulating the FAK-SRC-STAT Signaling Pathway. Front Oncol. 2020; 10: 560572 WB,IP ;Human. 33240810
- **[IF=5.307]** Jian Song. et al. The dual FAK-HDAC inhibitor MY-1259 displays potent activities in gastric cancers in vitro and in vivo. BIOORG CHEM. 2023 Feb;131:106328 WB ;Human. 36542986