
FAK Rabbit pAb

Catalog Number: bs-20735R

Target Protein: FAK

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW: 116 kDa

Entrez Gene: 5747

Swiss Prot: Q05397

Source: KLH conjugated synthetic peptide derived from human FAK: 131-230/1052.

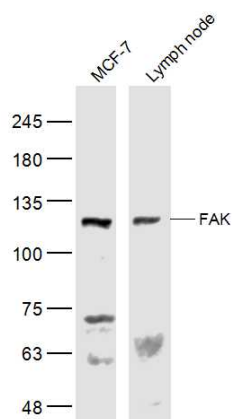
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

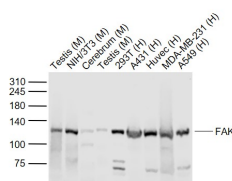
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

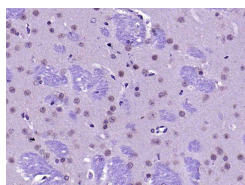
VALIDATION IMAGES



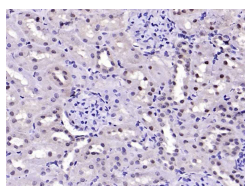
Sample: MCF-7(Human) Cell Lysate at 30 ug Lymph node (Mouse) Lysate at 40 ug Primary: Anti-FAK (bs-20735R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 116 kD Observed band size: 116 kD



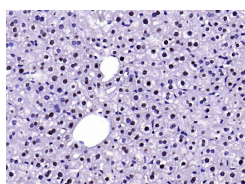
Sample: Lane 1: Testis (Mouse) Lysate at 40 ug Lane 2: NIH/3T3 (Mouse) Cell Lysate at 30 ug Lane 3: Cerebrum (Mouse) Lysate at 40 ug Lane 4: Testis (Mouse) Lysate at 40 ug Lane 5: 293T (Human) Cell Lysate at 30 ug Lane 6: A431 (Human) Cell Lysate at 30 ug Lane 7: Huvec (Human) Cell Lysate at 30 ug Lane 8: MDA-MB-231 (Human) Cell Lysate at 30 ug Lane 9: A549 (Human) Cell Lysate at 30 ug Primary: Anti-FAK (bs-20735R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 125 kD Observed band size: 125 kD



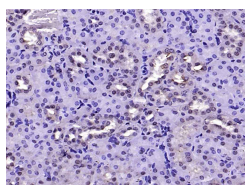
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (bs-20735R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); 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-20735R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse liver); 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-20735R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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-20735R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=15.1] Wenzhao Wang. et al. 3D printing of personalized magnesium composite bone tissue engineering scaffold for bone and angiogenesis regeneration. CHEM ENG J. 2024 Mar;484:149444 WB ; Human . 10.1016/j.cej.2024.149444

[IF=8.724] Yong Tang. et al. Phosphorylation inhibition of protein-tyrosine phosphatase 1B tyrosine-152 induces bone regeneration

coupled with angiogenesis for bone tissue engineering. *Bioact Mater.* 2021 Jul;6:2039 **WB ; Mouse** . 33511306

[IF=8.2] Dating Pei. et al. Modulation of macrophage polarization by secondary cross-linked hyaluronan-dopamine hydrogels. *INT J BIOL MACROMOL.* 2024 Jun;270:132417 **WB ; Mouse** . 38759857

[IF=7.242] Yong Tang. et al. Laminin alpha 4 promotes bone regeneration by facilitating cell adhesion and vascularization. *Acta Biomater.* 2021 Mar;: **WB ; Mouse** . 33711525

[IF=3.3] Xin Bin. et al. circMTO1/miR-30c-5p/SOCS3 axis alleviates oral submucous fibrosis through inhibiting fibroblast-myofibroblast transition. *J ORAL PATHOL MED.* 2024 May;: **WB ; Human** . 38802299