

bs-3162R**[Primary Antibody]****phospho-FAK (Tyr576 + Tyr577) Rabbit pAb****Bioss**
ANTIBODIES

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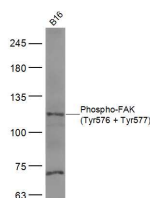
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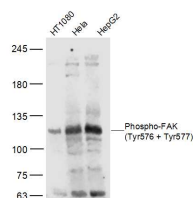
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5747**SWISS:** Q05397**Target:** FAK (Tyr576 + Tyr577)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human FAK around the phosphorylation site of Tyr576/577: ST(p-Y)(p-Y)KA.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

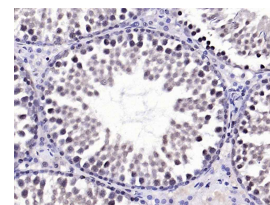
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Cow, Chicken, Dog, Horse)**Predicted**
MW.: 116 kDa**Subcellular** Cell membrane ,Cytoplasm
Location: ,Nucleus**VALIDATION IMAGES**

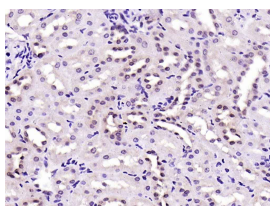
Sample: B16(Mouse) Cell Lysate at 40 ug
 Primary: Anti-Phospho-FAK(Tyr576 + Tyr577)
 (bs-3162R) at 1/300 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 116 kD Observed
 band size: 116 kD



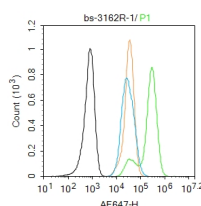
Sample: HT1080(Human) Cell Lysate at 30 ug
 Hela(Human) Cell Lysate at 30 ug
 HepG2(Human) Cell Lysate at 30 ug Primary:
 Anti-Phospho-FAK(Tyr576 + Tyr577) (bs-3162R)
 at 1/300 dilution Secondary: IRDye800CW Goat
 Anti-Rabbit IgG at 1/20000 dilution Predicted
 band size: 116 kD Observed band size: 116 kD



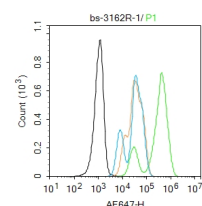
Paraformaldehyde-fixed, paraffin embedded (rat
 testis); Antigen retrieval by boiling in sodium
 citrate buffer (pH6.0) for 15min; Block
 endogenous peroxidase by 3% hydrogen
 peroxide for 20 minutes; Blocking buffer (normal
 goat serum) at 37°C for 30min; Antibody
 incubation with (Phospho-FAK (Tyr576 +
 Tyr577)) Polyclonal Antibody, Unconjugated
 (bs-3162R) 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



Blank control: A431. Primary Antibody (green
 line): Rabbit Anti-Phospho-FAK (Tyr576 + Tyr577)
 antibody (bs-3162R) Dilution: 1µg / 10⁶ cells;



Blank control: A431. Primary Antibody (green
 line): Rabbit Anti-Phospho-FAK (Tyr576 + Tyr577)
 antibody (bs-3162R) Dilution: 1µg / 10⁶ cells;

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-FAK (Tyr576 + Tyr577)) Polyclonal Antibody, Unconjugated (bs-3162R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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