

bs-3164R**[Primary Antibody]****phospho-FAK (Tyr407) Rabbit pAb****Bioss**
ANTIBODIES

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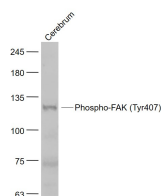
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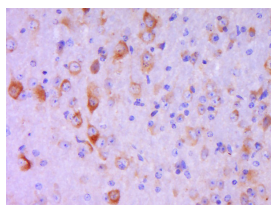
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5747**SWISS:** Q05397**Target:** FAK (Tyr407)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human FAK around the phosphorylation site of Tyr407: DT(p-Y)TM.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

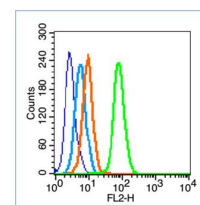
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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

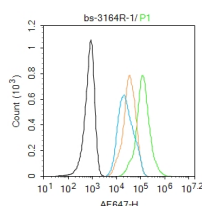
Sample: Cerebrum (Mouse) Lysate at 40 ug
 Primary: Anti- Phospho-FAK (Tyr407) (bs-3164R)
 at 1/1000 dilution Secondary: IRDye800CW Goat
 Anti-Rabbit IgG at 1/20000 dilution Predicted
 band size: 116 kD Observed band size: 116 kD



Paraformaldehyde-fixed, paraffin embedded
 (mouse brain tissue); 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 (P-FAK (Tyr407)) Polyclonal
 Antibody, Unconjugated (bs-3164R) at 1:400
 overnight at 4°C, followed by a conjugated
 secondary (sp-0023) for 20 minutes and DAB
 staining.



Blank control (blue line): Hep G2 (fixed with 70%
 ethanol (Overnight at 4°C) and then
 permeabilized with 90% ice-cold methanol for
 30 min at -20°C). Primary Antibody (green line):
 Rabbit Anti-Phospho-FAK (Tyr407) antibody
 (bs-3164R), Dilution: 1µg /10⁶ cells; Isotype
 Control Antibody (orange line): Rabbit IgG .
 Secondary Antibody (white blue line): Goat anti-
 rabbit IgG-PE, Dilution: 1µg /test.



Blank control:A431. Primary Antibody (green
 line): Rabbit Anti-Phospho-FAK (Tyr407)
 antibody (bs-3164R) 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.

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.

— SELECTED CITATIONS —

- **[IF=4.6]** Giuseppe Prencipe. et al. Amphiregulin Orchestrates the Paracrine Immune-Suppressive Function of Amniotic-Derived Cells Through its Interplay with COX-2/PGE2/EP4 Axis. ISCIENCE. 2024 七月 13 WB ;Human. 39156643
- **[IF=4.6]** Giuseppe Prencipe. et al. Amphiregulin orchestrates the paracrine immune-suppressive function of amniotic-derived cells through its interplay with COX-2/PGE₂/EP4 axis.iscience.2024 Jul 14;27(8):110508. Western blot ;Sheep. 39156643