**bs-13134R** **[ Primary Antibody ]**

# Phospho-FAK (Tyr576) Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 5747 **SWISS:** Q05397

**Target:** Phospho-FAK (Tyr576)

**Immunogen:** KLH conjugated synthesised phosphopeptide derived from human FAK around the phosphorylation site of Tyr576: ST(p-Y)YK.

**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.

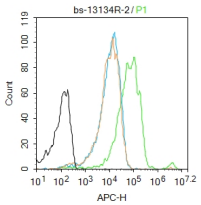
**Applications:** **Flow-Cyt** (1ug/Test)

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

**Predicted MW.:** 116 kDa

**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus

## VALIDATION IMAGES




Blank control:Mouse kidney. Primary Antibody (green line): Rabbit Anti-Phospho-FAK(Tyr576) antibody (bs-13134R) Dilution: 2μg /10^6 cells; 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.