

Anti-Phospho-PTK2 (Tyr397) Antibody (9L726)

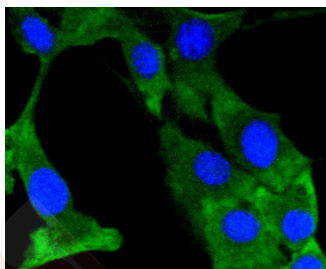
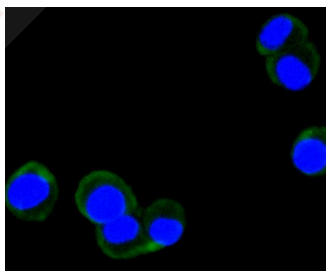
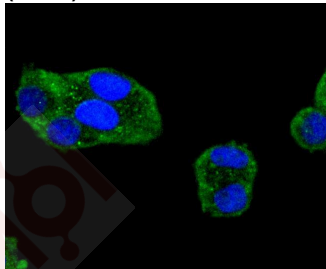
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 119 kDa.
Clone:	9L726
Purification:	ProA affinity purified

Applications

Verified Activity:

1. ICC staining phospho-FAK (Y397) in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
2. ICC staining phospho-FAK (Y397) in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining phospho-FAK (Y397) in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application:	ICC/IF,WB
Recommended	WB: 1:1000; ICC/IF: 1:50-200

A DRUG SCREENING EXPERT

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized phosphopeptide: human FAK around the phosphorylation site of Tyr397

Antigen Species: human

Uniprot ID: Q05397

Synonyms: p-PTK2 (Y397);PTK2 (p-Tyr397);PTK2 (p-Y397);p-PTK2 (Tyr397)

Research Background

Activation of integrins in the extracellular matrix (ECM) of eukaryotic cells promotes the formation of membrane adhesion complexes, known as focal adhesions, which can include cytoskeletal proteins and protein tyrosine kinases, such as focal adhesion kinase (FAK). Phosphorylation events occurring within focal adhesions influence numerous processes that include mitogenic signaling, cell survival, and cell motility. FAK is a non-receptor tyrosine kinase that is ubiquitously expressed and highly conserved between species. FAK is recruited by Integrin clusters and variably phosphorylated depending on the effector molecules present in the focal adhesion. Phosphorylation of FAK Tyr 397 decreases during serum starvation, contact inhibition, and cell cycle arrest, all conditions under which activating FAK Tyr 407 phosphorylation increases.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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