

# Product Datasheet

## FAK [p Tyr397] Antibody (SC54-07) NBP2-67577

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67577**

FAK [p Tyr397] Antibody (SC54-07)

**Product Information**

|                      |  |
|----------------------|--|
| <b>Unit Size</b>     | 100 ul   |
| <b>Concentration</b> | 1 mg/ml  |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal   |
| <b>Clone</b>         | SC54-07  |
| <b>Preservative</b>  | 0.05% Sodium Azide   |
| <b>Isotype</b>       | IgG  |
| <b>Purity</b>        | Protein A purified   |
| <b>Buffer</b>        | TBS (pH7.4), 0.05% BSA, 40% Glycerol   |

**Product Description**

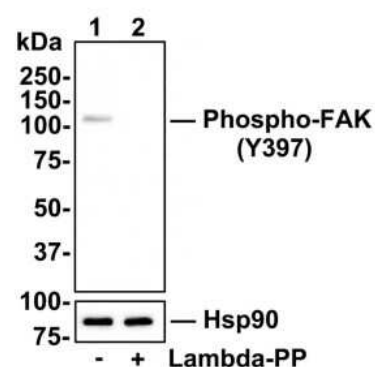
|                    |  |
|--------------------|--|
| <b>Host</b>        | Rabbit   |
| <b>Gene Symbol</b> | PTK2   |
| <b>Species</b>     | Human, Mouse, Rat  |
| <b>Immunogen</b>   | Synthetic phospho-peptide corresponding to residues surrounding Tyr397 of human FAK. (SwissProt: Q05397 Human; SwissProt: P34152 Mouse; SwissProt: O35346 Rat) |

**Product Application Details**

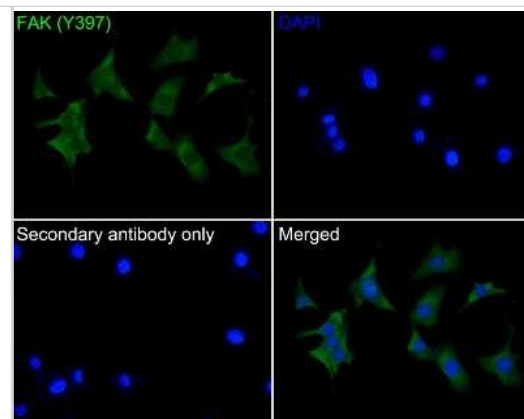
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence                         |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:50-1:100 |

**Images**

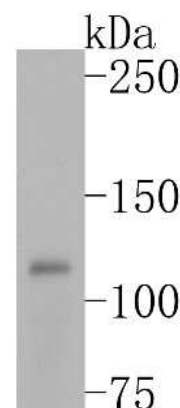
Western Blot: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - Analysis of FAK [p Try397] on Hela cell lysates. Lane 1: Hela cells, whole cell lysate, 10ug/lane Lane 2: Hela cells treated with 2.8ug/ul lambda-PP for 30 minutes, whole cell lysates, 10ug/lane All lanes : Anti-FAK [p Try397] antibody at 1:500 dilution. Anti-Hsp90 antibody at 1:10,000 dilution. Goat Anti-Rabbit IgG H&L (HRP) at 1/200,000 dilution. Predicted band size: 119 kDa Observed band size: 119 kDa Blocking and diluting buffer: 5% BSA. Exposure time: 30 seconds



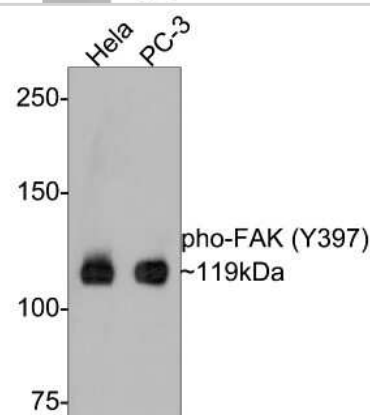
Immunocytochemistry/Immunofluorescence: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - Analysis of NIH/3T3 cells labeling Phospho-FAK (Y397) with Rabbit anti-Phospho-FAK (Y397) antibody (permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Phospho-FAK (Y397) antibody was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



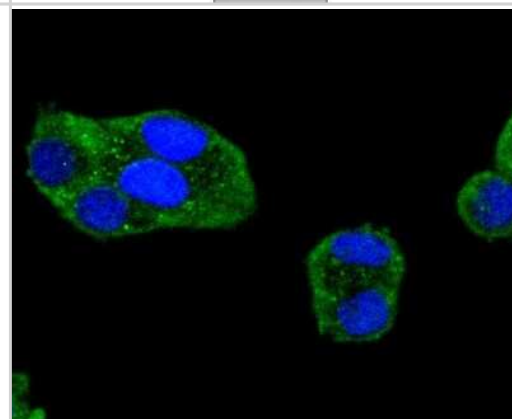
Western Blot: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - Western blot analysis of FAK on K562 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit



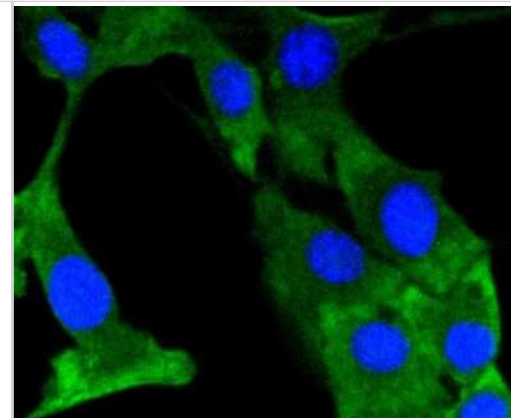
Western Blot: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - Analysis of FAK [p Tyr397] on different lysates with Rabbit anti-FAK [p Tyr397] antibody at 1/500 dilution. Lane 1: HeLa cell lysate Lane 2: PC-3 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 119 kDa Observed band size: 119 kDa Exposure time: 2 minutes; 6% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



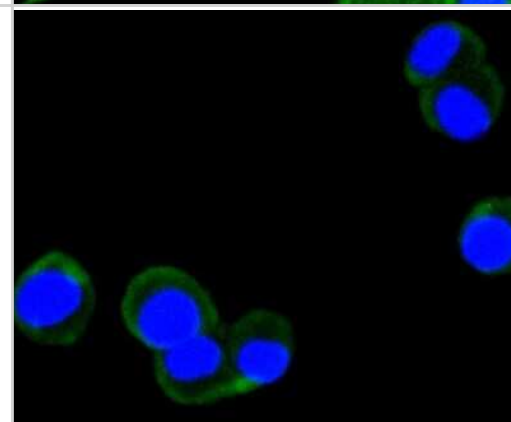
Immunocytochemistry/Immunofluorescence: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - Staining phospho-FAK (Y397) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - 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.



Immunocytochemistry/Immunofluorescence: FAK [p Tyr397] Antibody (SC54-07) [NBP2-67577] - 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.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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