

# Product Datasheet

## FAK [p Tyr576] Antibody NBP3-13071

Unit Size: 100 ul

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

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Updated 7/18/2024 v.20.1

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**NBP3-13071**

FAK [p Tyr576] Antibody

**Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 100 ul                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.025% Proclin 300                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Antigen Affinity-purified                                                                                        |
| <b>Buffer</b>        | PBS (pH 7), 20% Glycerol, 1% BSA                                                                                 |

**Product Description**

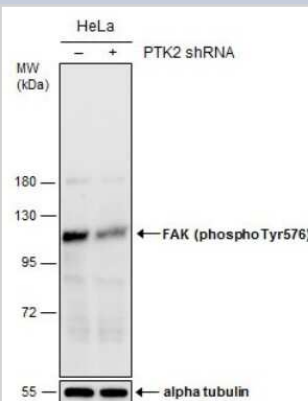
|                    |                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Centrifuge briefly prior to opening.                                                                                     |
| <b>Host</b>        | Rabbit                                                                                                                   |
| <b>Gene ID</b>     | 5747                                                                                                                     |
| <b>Gene Symbol</b> | PTK2                                                                                                                     |
| <b>Species</b>     | Human, Mouse, Rat                                                                                                        |
| <b>Immunogen</b>   | Carrier-protein conjugated synthetic peptide surrounding phospho Tyr576 of human FAK. The exact sequence is proprietary. |

**Product Application Details**

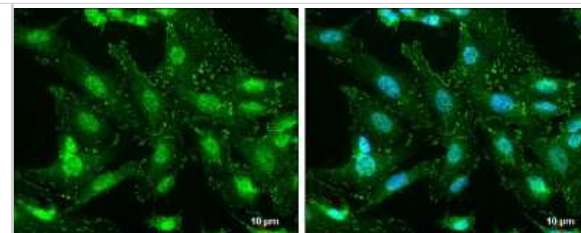
|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence |
| <b>Recommended Dilutions</b> | Western Blot, Immunocytochemistry/ Immunofluorescence |

**Images**

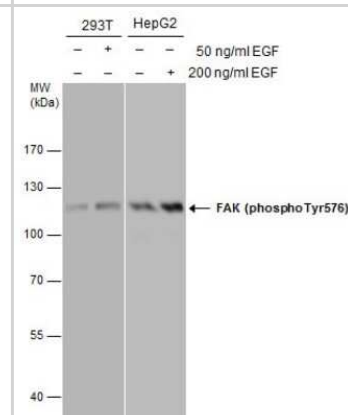
Western Blot: FAK [p Tyr576] Antibody [NBP3-13071] - Non-transfected (-) and transfected (+) HeLa whole cell extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:500.



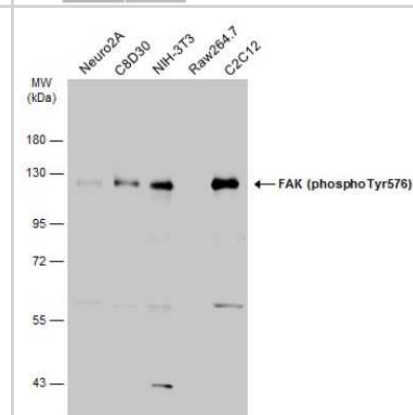
**Immunocytochemistry/Immunofluorescence:** FAK [p Tyr576] Antibody [NBP3-13071] - FAK (phospho Tyr576) antibody detects FAK (phospho Tyr576) protein at cell membrane and nucleus by immunofluorescent analysis. Sample: SK-N-SH cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: FAK (phospho Tyr576) protein stained by FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m.



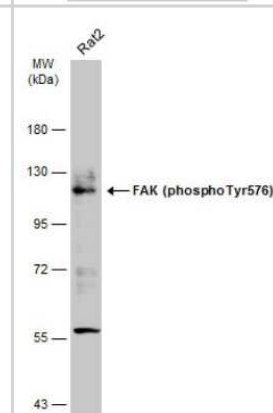
**Western Blot:** FAK [p Tyr576] Antibody [NBP3-13071] - FAK (phospho Tyr576) antibody detects FAK (phospho Tyr576) protein by western blot analysis. Left: Untreated (-) and EGF-treated (+, 50 ng/ml for 30 min) 293T whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE. Right: Untreated (-) and EGF-treated (+, 200 ng/ml for 30 min) HepG2 whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE. The membranes were blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:3000.



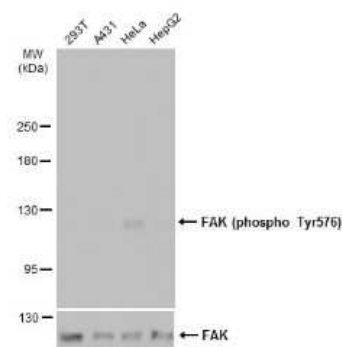
**Western Blot:** FAK [p Tyr576] Antibody [NBP3-13071] - Various whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



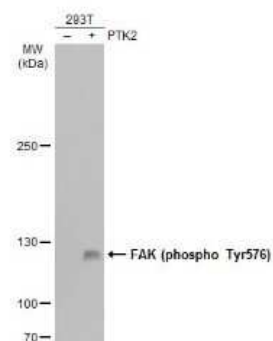
**Western Blot:** FAK [p Tyr576] Antibody [NBP3-13071] - Whole cell extract (30  $\mu$ g) was separated by 7.5% SDS-PAGE, and the membrane was blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



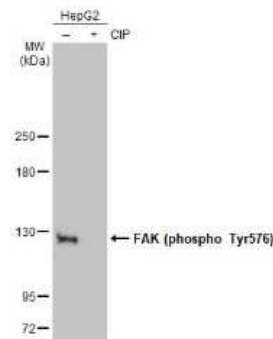
Western Blot: FAK [p Tyr576] Antibody [NBP3-13071] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



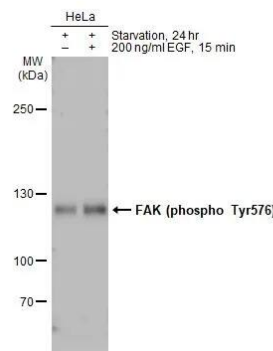
Western Blot: FAK [p Tyr576] Antibody [NBP3-13071] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



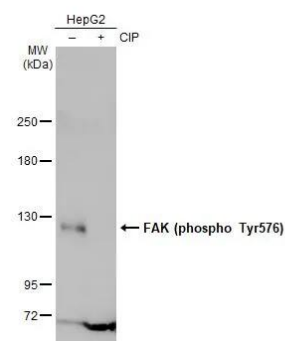
Western Blot: FAK [p Tyr576] Antibody [NBP3-13071] - Untreated (-) and treated (+) HepG2 whole cell extract (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with FAK (phospho Tyr576) antibody (NBP3-13071) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



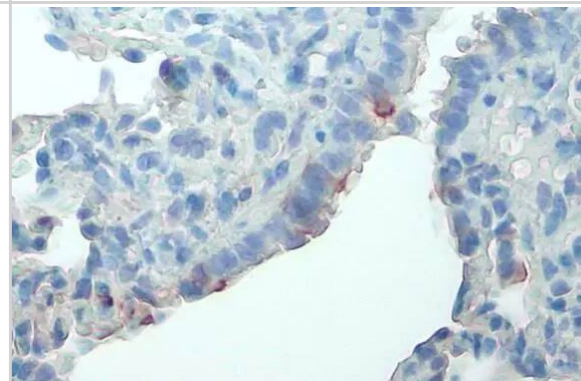
Western Blot: FAK [p Tyr576] Antibody [NBP3-13071] - Untreated (-) and treated (+) HeLa whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with FAK antibody (NBP3-13071) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: FAK [p Tyr576] Antibody [NBP3-13071] - Untreated (-) and treated (+) HepG2 whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with FAK antibody (NBP3-13071) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunohistochemistry-Paraffin: FAK [p Tyr576] Antibody [NBP3-13071] - FAK antibody detects FAK protein at cell membrane by immunohistochemical analysis. Sample: Paraffin-embedded rat lung. FAK stained by FAK antibody (NBP3-13071) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min





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### **Products Related to NBP3-13071**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-84750PEP | FAK Recombinant Protein Antigen                     |

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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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