Product Datasheet

FAK [p Tyr861] Antibody
NBP2-68146

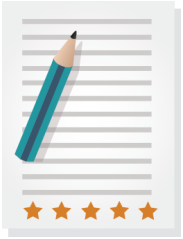
Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-68146

Updated 5/15/2025 v.20.1



NBP2-68146

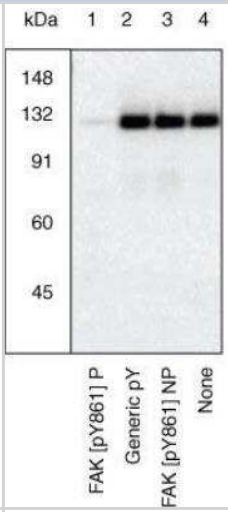
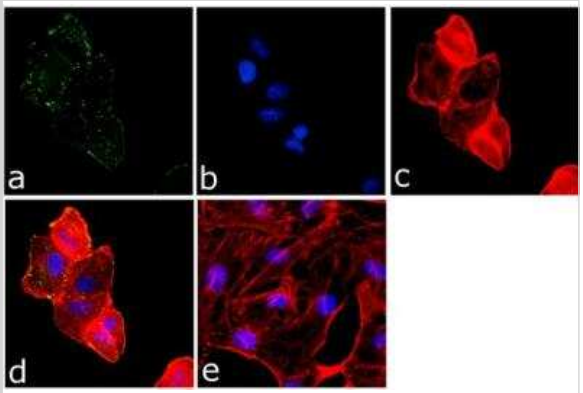
FAK [p Tyr861] Antibody

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	Dulbecco's PBS, pH 7.3, with 50% glyceroll and 1mg/ml BSA

Product Description	
Host	Rabbit
Gene ID	5747
Gene Symbol	PTK2
Species	Human, Mouse, Chicken
Reactivity Notes	Amphibian, Canine, Hamster, Non-human primate, Rat, Xenopus, Zebrafish
Immunogen	Chemically synthesized phosphopeptide obtained from the region of human FAK that contains Tyr861. The sequence is conserved in mouse, rat, chicken and frog.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1 ug/ml

Images

Western Blot: FAK [p Tyr861] Antibody [NBP2-68146] - Extracts of 3T3-L1 cells unstimulated or stimulated with 50 ng/ml LIF for 15 minutes (2-4) were resolved by SDS-PAGE on a 10% Tris-glycine gel and transferred to PVDF. The membrane was blocked with a 5% BSA-TBST buffer overnight at 4C, then incubated with JAK2 (pYpY1007/1008) antibody for two hours at room temperature in a 1% BSA-TBST buffer, following prior incubation with: no peptide (1, 2), the nonphosphopeptide corresponding to the phosphopeptide immunogen (3), or the phosphopeptide immunogen (4). After washing, the membrane was incubated with goat F (ab')2 anti-rabbit IgG HRP-conjugate and signals were detected using the Pierce SuperSignal method. The data show that only the phosphopeptide corresponding to JAK2 (pYpY1007/1008) blocks the antibody signal, demonstrating the specificity of the antibody. The data also show the up-regulation of JAK2 (pYpY1007/1008) with LIF treatment in this cell system.	
Immunocytochemistry/Immunofluorescence: FAK [p Tyr861] Antibody [NBP2-68146] - Immunofluorescence analysis of FAK [p Tyr861] Antibody was done on 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with FAK [p Tyr861] Antibody Rabbit Polyclonal Antibody at 1:250 dilution in 1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Secondary Antibody conjugated to Alexa Fluor 488 at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with a liquid mountant with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor 555 Rhodamine Phalloidin. Panel d is a merged image showing Cell Junctional localization. Panel e is a no primary antibody control. The images were captured at 60x magnification.	

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-68146

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications