

Product Datasheet

PAK1/2/3 [p Thr423] Antibody NSB942

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NSB942**PAK1/2/3 [p Thr423] Antibody**

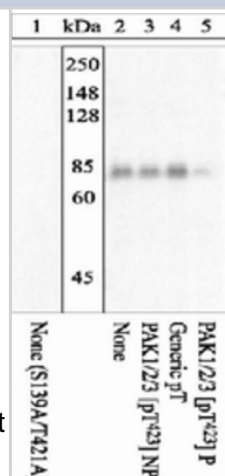
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Dulbecco's PBS (pH 7.3), 1.0 mg/ml and 50% Glycerol

Product Description	
Host	Rabbit
Gene ID	5058
Gene Symbol	PAK1
Species	Human
Reactivity Notes	Human PAK1, PAK2, and PAK3. Other species (100% identity) have not been tested, but are expected to react.
Specificity/Sensitivity	PAK 1 + 2 + 3 Phosphospecific [Thr423]
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human PAK that contains threonine 423 (for PAK1). The sequence is conserved across many species for all three main isoforms of PAK.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:1

Images

Peptide Competition Extracts prepared from his-tagged S139A/T421A double mutant (1) and wild-type PAK3 (2-5) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer overnight at 40C, then were incubated with PAK1/2/3 [pT423] antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 2), the non-phosphopeptide corresponding to the immunogen (3), a generic phosphothreonine-containing peptide (4), or, the phosphopeptide immunogen (5). After washing, membranes were incubated with goat F(ab)2 anti-rabbit IgG alkaline phosphatase and signals were detected using the Tropix WesternStar(TM) method. The data show that only the peptide corresponding to PAK1/2/3 [pT423] blocks the antibody signal, and phosphorylation with the wild-type but not the mutant protein, thereby demonstrating the specificity of the antibody.





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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.

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

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