

# 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**

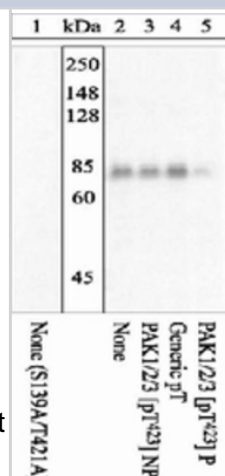
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide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

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5058
<b>Gene Symbol</b>	PAK1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human PAK1, PAK2, and PAK3. Other species (100% identity) have not been tested, but are expected to react.
<b>Specificity/Sensitivity</b>	PAK 1 + 2 + 3 Phosphospecific [Thr423]
<b>Immunogen</b>	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	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	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 4°C, 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)<sub>2</sub> 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.

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