

# Product Datasheet

## Synapsin I [p Ser9] Antibody - Azide Free NB300-180

Unit Size: 0.1 ml

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

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**NB300-180**

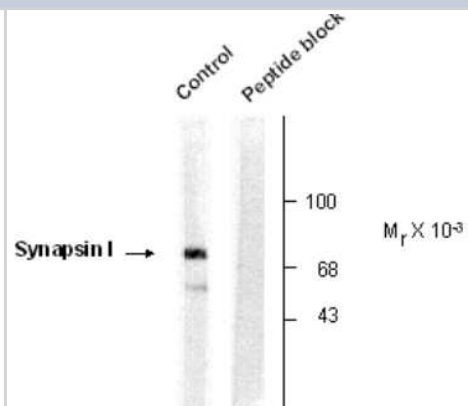
Synapsin I [p Ser9] Antibody - Azide Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	78 kDa
Product Description	
Host	Rabbit
Gene ID	6853
Gene Symbol	SYN1
Species	Mouse, Rat, Zebrafish
Marker	pre-Synaptic Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~78 kDa synapsin I doublet protein phosphorylated at Ser9. Also weakly labels the ~55 kDa synapsin II protein which has a similar phosphorylation site to that of Ser9 on synapsin I. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser9 conjugated to KLH. Accession # P17599
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence 1:500

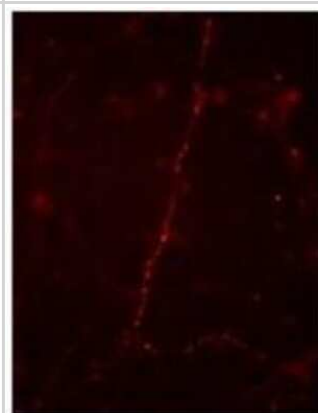


## Images

Western Blot: Synapsin I [p Ser9] Antibody [NB300-180] - Rat cortex lysate showing specific immunolabeling of the ~78k synapsin I phosphorylated at Ser9 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the phospho-Ser9 synapsin I antibody. The immunolabeling is completely eliminated by treatment with lambda-Ptase.



Immunohistochemistry: Synapsin I [p Ser9] Antibody [NB300-180] - Cultured mouse caudate neurons showing synapsin I when phosphorylated at Ser9





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### **Products Related to NB300-180**

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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
H00006853-Q01-10ug	Recombinant Human Synapsin I GST (N-Term) Protein

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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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