

# Product Datasheet

## Dynamin [p Ser774] Antibody - Azide Free NB300-209

Unit Size: 0.1 ml

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

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**NB300-209**

Dynamitin [p Ser774] Antibody - Azide Free

**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>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
<b>Target Molecular Weight</b>	95 kDa

**Product Description**

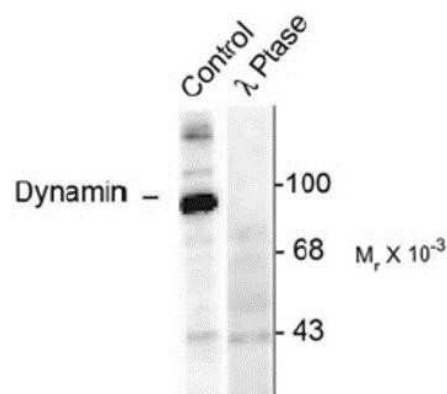
<b>Host</b>	Sheep
<b>Gene ID</b>	1759
<b>Gene Symbol</b>	DNM1
<b>Species</b>	Mouse, Rat
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~95 kDa dynamitin protein phosphorylated at Ser774. Labels the purified protein phosphorylated in vitro by cdk5 but not by PKC. Does not cross react with other purified substrates of cdk5 (e.g. amphiphysin and synapsin). Immunolabeling is blocked by lambda-phosphatase treatment.
<b>Immunogen</b>	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser774 conjugated to KLH. Accession # P21575

**Product Application Details**

<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	NB300-209 can be used in Western blot where a band is seen at ~ 97 kD, representing Dynamitin

**Images**

Western Blot: Dynamitin [p Ser774] Antibody [NB300-209] - Rat hippocampal lysate stimulated with forskolin showing specific immunolabeling of the ~95k dynamitin phosphorylated at Ser774 (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 Anti-Ser774 dynamitin. The immunolabeling is completely eliminated by treatment with lambda-Ptase.



## Publications

Tan, TC et al. Cdk5 is Essential for Synaptic Vesicle Endocytosis. Nat. Cell Bio., 5(8): 701-710. 2003-01-01 [PMID: 12855954]





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### **Products Related to NB300-209**

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HAF016	Donkey anti-Sheep IgG Secondary Antibody [HRP]
NL010	Donkey anti-Sheep IgG Secondary Antibody [NL557]
NBP1-97055-10mg	Sheep IgG Isotype Control
NBP2-76558PEP	Dynamin 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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