



## Dynamin, Dynamin (Ser774) Polyclonal Antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-21008
Animal ID	N/A
Host	Sheep
Reactivity	Human, Mouse, Rat
Format	Affinity Purified
Accession number	N/A
Amount	100 µl

### Alternative Name(s):

N/A

### References:

1. Cousin MA et al. J Neurochem (2001) 76:105-116.
2. Graham ME et al. Proc Natl Acad Sci USA (2002) 99:7124-7129.
3. Tan TC et al. Nat Cell Biol (2003) 5:701-710.

Dynamin is a member of a group of nerve terminal proteins called dephosphins that regulate synaptic vesicle endocytosis (Cousin et al., 2001; Graham et al., 2002; Tsuboi et al., 2002). Cyclin dependent protein kinase 5 phosphorylates dynamin at Ser774 and Ser778 that are the phosphorylation sites on dynamin phosphorylated in vivo (Tan et al., 2003). Phosphorylation of these sites on dynamin is thought to play a key role in synaptic vesicle trafficking.

### Buffers

100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.

### Immunogen

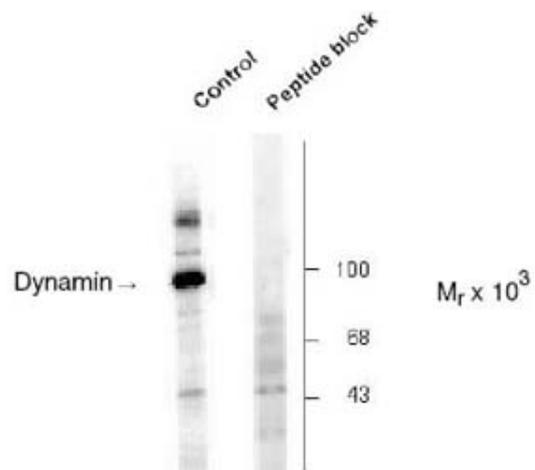
Synthetic phosphopeptide corresponding to amino acids residues surrounding the phospho-Ser774 of human, mouse and rat dynamin.

### Application

WB: 1:1,000; IF (fixed cultured neurons; Tan et al., 2003): 1:1,000; IHC (fixed cultured neurons, Tan et al., 2003): 1:1,000.

### Storage

For long term storage -20°C is recommended. Stable at -20°C for at least 1 year.



Western blot of 10 g of rat brain synaptosomal lysate showing specific immunolabeling of the ~95k dynamin phosphorylated at Ser774. A = Control. B = Peptide Block. The labeling by the antibody was specifically blocked by the Ser774 phosphopeptide used as antigen. The corresponding non-phosphopeptide did not block the immunolabeling (not shown).