

Dynamin (Ser774) Antibody

Subcategory: Phosphospecific Antibody, Sheep Polyclonal Antibody

Cat. No.: 252534

Unit: 0.1 ml

Description:

Dynamin-1 is a microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Dynamin-1 is involved in vesicular trafficking processes, and is involved in receptor-mediated endocytosis. Phosphorylation of Ser774 by GSK3 has been shown to control activity-dependent bulk endocytosis of synaptic vesicles. This antibody is specific for the 95-kDa dynamin protein phosphorylated at Ser774. The antibody detects purified Dynamin phosphorylated in vitro by Cdk5 but not by PKC. The antibody does not cross-react with other proteins substrates of Cdk5 such as amphiphysin and synapsin.

Isotype: Goat Ig

Applications: E, IF, IHC, WB

Species Reactivity: B, Ck, D, H, Mk, M, R

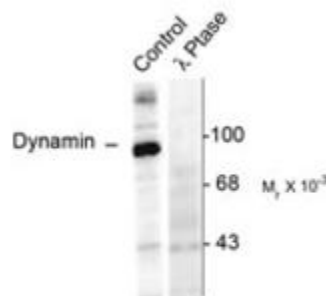
Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Dynamin-1; DNM1; DNM

Accession No.: P21575

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser774 of rat dynamin.

Application Notes: E: 1:1,000; WB: 1:1,000; IHC: 1,1000; IF: 1:1,000



The Dynamin (Ser774) Antibody (Cat. No. 252534) is used in Western blot to detect phosphorylated Dynamin in rat hippocampus tissue lysate after forskolin stimulation (left lane). Phosphorylated Dynamin is no longer detected upon treatment with phosphatase (right lane).

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.