

## Dynamin-1 (phospho-S774) polyclonal antibody

Catalog: BS4228

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Members of the Dynamin family, including Dynamin I and Dynamin II, are GTPase, microtubule-associated proteins which are involved in endocytosis, synaptic transmission and neurogenesis. Dynamin I is localized to the central nervous system, while Dynamin II exhibits ubiquitous distribution with highest expression in testis. Both Dynamin proteins contain SH3 and proline-rich domains that mediate interactions between the Dynamins and effectors of their GTPase activity. The interactions with these effectors, which include microtubules, acidic phospholipids and SH3 domain-containing proteins, are required for rapid endocytosis. Dynamin I appears to be recruited to Clathrin coated pits by SH3 domain interaction with Amphiphysin, a protein highly expressed in brain.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 98 kDa

### Swiss-Prot:

Q05193

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

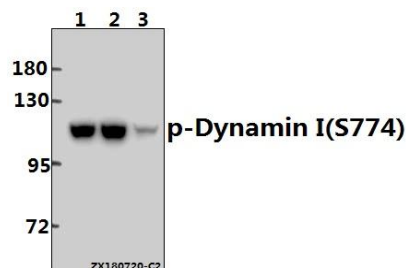
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-Dynamin-1 (S774) polyclonal antibody detects endogenous levels of Dynamin-1 protein when phosphorylated at Ser774.

### DATA:



Western blot (WB) analysis of p-Dynamin I (S774) pAb at 1:1000 dilution

Lane1: The Brain tissue lysate of Mouse(30ug)

Lane2: The Brain tissue lysate of Rat(30ug)

Lane3: U-87MG whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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