

## Dynamin I (Phospho Ser774) Rabbit pAb

CatalogNo: YP0627

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 97kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:5000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Dynamin-1 around the phosphorylation site of Ser774. AA range:740-789

## Specificity

Phospho-Dynamin I (S774) Polyclonal Antibody detects endogenous levels of Dynamin I protein only when phosphorylated at S774. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RRsPT

## Target Information

**Gene name** DNM1

**Protein Name** Dynamin-1

Organism	Gene ID	UniProt ID
Human	<a href="#">1759;</a>	<a href="#">Q05193;</a>
Mouse	<a href="#">13429;</a>	<a href="#">P39053;</a>
Rat	<a href="#">140694;</a>	<a href="#">P21575;</a>

## Cellular Localization

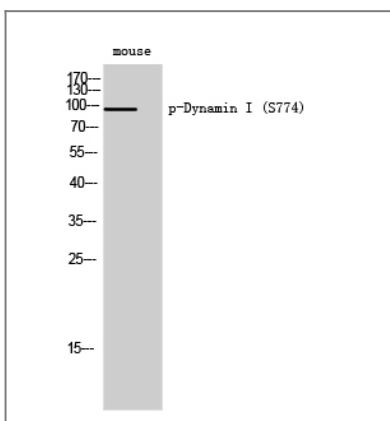
Cytoplasm . Cytoplasm , cytoskeleton . Microtubule-associated.

**Tissue specificity** Brain ,Platelet ,PNS ,

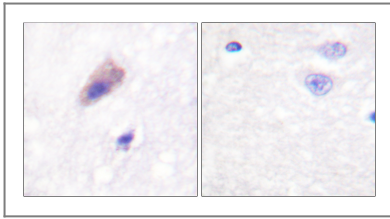
## Function

Catalytic activity:GTP + H (2) O = GDP + phosphate. ,Function:Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes , in particular endocytosis. ,similarity:Belongs to the dynamin family. ,similarity:Contains 1 GED domain. ,similarity:Contains 1 PH domain. ,subcellular location:Microtubule-associated. ,subunit:Interacts with CAV1 and SH3GLB1. Binds SH3GL1 , SH3GL2 and SH3GL3. ,

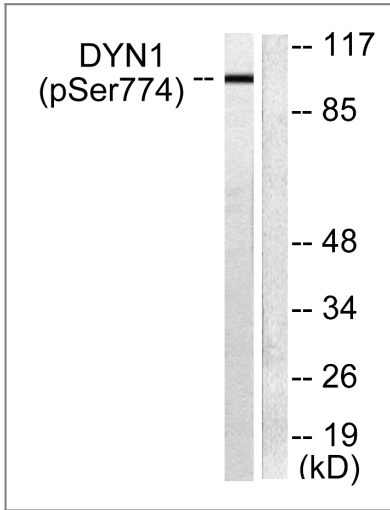
## Validation Data



Western Blot analysis of mouse cells using Phospho-Dynamin I (S774) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using Dynamin-1 (Phospho-Ser774) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from mouse brain, using Dynamin-1 (Phospho-Ser774) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**Dynamin I (Phospho Ser774) Rabbit pAb**

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