

## Product datasheet for **TA392903**

### Dynamin 1 (DNM1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human Dynamin-1 around the phosphorylation site of Serine 774.
Specificity:	p-Dynamin-1 (S774) polyclonal antibody detects endogenous levels of Dynamin-1 protein when phosphorylated at Ser774.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 98 kDa
Gene Name:	dynamin 1
Database Link:	<a href="#">Entrez Gene 1759 Human Q05193</a>



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**Background:**

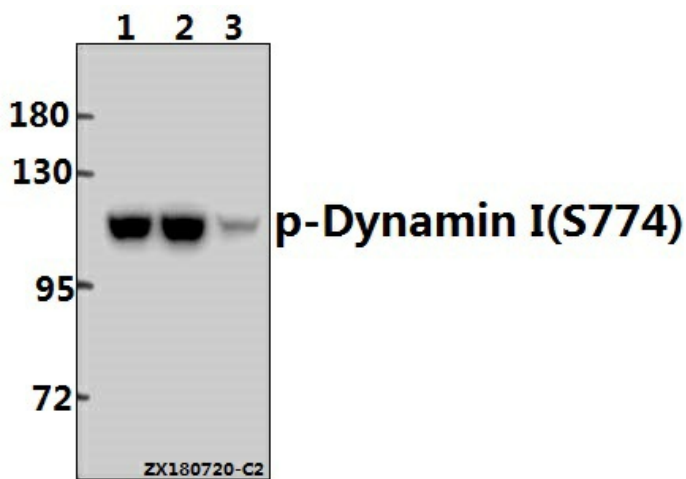
Members of the Dynamin family, including Dynamin I and Dynamin II, are GTPase, microtubule-associated proteins which are involved in endocytosis, synaptic transmission and neurogenesis. Dynamin I is localized to the central nervous system, while Dynamin II exhibits ubiquitous distribution with highest 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.

**Synonyms:**

DNM; DNM1; Dynamin-I; Dynamin 1; Dynamin1; Dynamin I; DynaminI

**Note:**

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

**Product images:**

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)