

Product datasheet for **AP05892PU-N**

Dnm1 pSer774 Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunofluorescence. Immunohistochemistry on Frozen Sections. Western Blot (1/1000): This antibody detects a band of approximately 95kDa in Rat hippocampus lysates. For the detection of Phosphoproteins, Serine Phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a Phosphoprotein and its use can result in high background.
Reactivity:	Bovine, Canine, Chicken, Human, Monkey, Mouse, Rat
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within Dynamin which includes phosphorylated Ser774.
Specificity:	This antibody is specific for Dynamin when phosphorylated at Serine 774.
Formulation:	10mM HEPES, pH7.5 containing 0.09% Sodium Azide, 0.01% BSA and 50% Glycerol. State: Purified State: Liquid purified IgG fraction.
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dynamin 1
Database Link:	Entrez Gene 140694 Rat P21575



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Background:	Dynamin is a phosphoprotein expressed at nerve terminals, which plays an important role in the regulation of synaptic vesicle endocytosis. Cyclin dependent protein kinase 5 (cdk5) has been shown to phosphorylate serine 774 and 778 <i>in vivo</i> . Dephosphorylation of these residues is essential for endocytosis of synaptic vesicles.
Synonyms:	DNM1, DNM