

Datasheet for ABIN319098

anti-Dynamin 1 antibody (pSer774)



[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	Dynamin 1 (DNM1)
Binding Specificity:	pSer774
Reactivity:	Human, Mouse, Rat, Dog, Cow, Chicken, Monkey
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Dynamin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within Dynamin which includes phosphorylated Ser774. Genename: DNM
Isotype:	IgG
Specificity:	This antibody is specific for Dynamin when phosphorylated at Serine 774.
Cross-Reactivity (Details):	Species reactivity (expected): Human, Monkey, Bovine, Chicken, Mouse, Dog. Species reactivity (tested): Rat.
Purification:	Affinity Chromatography.

Target Details

Target:	Dynamin 1 (DNM1)
---------	------------------

Target Details

Alternative Name:	Dynamin-1 (DNM1 Products)
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 in vivo. Dephosphorylation of these residues is essential for endocytosis of synaptic vesicles.Synonyms: DNM, DNM1
Gene ID:	140694
NCBI Accession:	NP_542420
UniProt:	P21575
Pathways:	Toll-Like Receptors Cascades , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Immunofluorescence. Immunohistochemistry on Frozen Sections. Western Blot (1/1000): This antibody detects a band of approximately 95 kDa in Rathippocampus lysates. For the detection of Phosphoproteins, Serine Phosphatase inhibitors such as 10 mM 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES, pH 7.5 containing 0.09 % Sodium Azide, 0.01 % BSA and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.