

Datasheet for ABIN319106

anti-Dynamin 1 antibody (pSer778)[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	Dynamin 1 (DNM1)
Binding Specificity:	pSer778
Reactivity:	Human, Mouse, Rat, Dog, Cow, Chicken
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Dynamin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within dynamin which includes phosphorylated Ser778.
Isotype:	IgG
Specificity:	This antibody is specific for Dynamin when phosphorylated at serine 778.
Purification:	Affinity chromatography

Target Details

Target:	Dynamin 1 (DNM1)
Alternative Name:	Dynamin-1 (DNM1 Products)
Background:	Dynamin is a phosphoprotein expressed at nerve terminals, which plays an important role in the

Target Details

	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:	Western Blot: 1: 1000, detects a band of approximately 95 kDa in rat hippocampus lysates. 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 % Bovine Serum Albumin 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.