

Datasheet for ABIN6658244

anti-Dynamin 1 antibody (pSer774)



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1 Image

Overview

Quantity:	100 µL
Target:	Dynamin 1 (DNM1)
Binding Specificity:	pSer774
Reactivity:	Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Dynamin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Fluorescence Microscopy (FM)

Product Details

Purpose:	Dynamin phospho S774 Antibody
Immunogen:	Anti-Dynamin pS774 Antibody was produced in sheep by repeated immunizations with synthetic phospho-peptide corresponding to amino acid residues surrounding Ser774 conjugated to KLH.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-Dynamin pS774 antibody is directed against Dynamin.
Purification:	Anti-Dynamin pS774 antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities.

Target Details

Target:	Dynamin 1 (DNM1)
Alternative Name:	Dynamin (DNM1 Products)
Background:	Synonyms: sheep anti-Dynamin pS774 Antibody, Dynamin-1, B-dynamin, D100 Background: Dynamin Antibody detects Dynamin which is a member of a group of nerve terminal proteins called dephosphins that regulate synaptic vesicle endocytosis. Cyclin dependent protein kinase 5 phosphorylates dynamin at Ser774 and Ser778 that are the phosphorylation sites on dynamin phosphorylated in vivo. Phosphorylation of Ser774 by GSK3 has recently been shown to control activity-dependent bulk endocytosis of synaptic vesicles. Anti-Dynamin pS774 Antibody is ideal for investigators involved in Cell Signaling, Cell Motility, Neuroscience and Cancer Research. Gene Name: DNM1
Gene ID:	140694
UniProt:	P21575
Pathways:	Toll-Like Receptors Cascades , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	ELISA_Dilution: 1:10,000 Immunohistochemistry_Dilution: 1:1000 IF_Microscopy_Dilution: 1:1000 Western_Blot_Dilution: 1:1000
Comment:	Anti-Dynamin pS774 Antibody is tested for use in Western Blotting and ICC and suitable in IHC and ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 95 kDa in size corresponding to dynamin protein phosphorylated at Ser774 in the appropriate cell lysate or extract. Anti-Dynamin pS774 antibody labels the purified protein phosphorylated in vitro by cdk5 but not by PKC. Anti-Dynamin pS774 antibody does not cross react with other purified substrates of cdk5 (e.g. amphiphysin and synapsin).
Restrictions:	For Research Use only

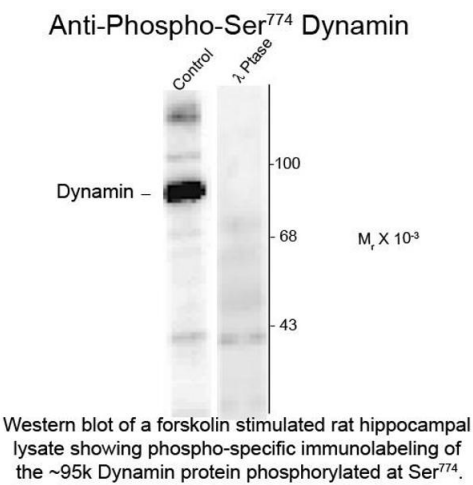
Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5

Handling

	Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Anti-Dynamin pS774 (Sheep) Antibody - 612-601-D32 Western Blot of Anti-Dynamin pS774 (Sheep) Antibody. Lane 1: rat hippocampal lysate stimulated with forskolin. Lane 2: rat hippocampal lysate stimulated with forskolin incubated in λ-Ptase (1200 units for 30 min). Load: 10 µg per lane. Primary antibody: Dynamin pS774 antibody at 1:400 for overnight at 4°C. Secondary antibody: sheep secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~95kDa/~95kDa for dynamin phosphorylated at Ser774. Other band(s): Gli-2 splice variants and isoforms.