

Datasheet for ABIN1700587

anti-Dynamin 1 antibody (AA 551-680) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Dynamin 1 (DNM1)
Binding Specificity:	AA 551-680
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamin 1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Dynamin 1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Sheep, Pig, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Dynamin 1 (DNM1)
Alternative Name:	Dynamin 1 (DNM1 Products)
Background:	Synonyms: B dynamin, D100, DNM 1, DNM, DNM1, DYN1_HUMAN, Dynamin, Dynamin-1,

Target Details

Dynamin1.

Background: Dynamin I is a GTPase enzyme required for the retrieval of synaptic vesicles after exocytosis and functions in endocytosis by stimulating assembly of invaginating synaptic vesicles (1). Dynamin I is phosphorylated in nerve terminals exclusively in the cytosolic compartment and in vitro by protein kinase C (PKC) (25). The phosphorylation site in PKC-phosphorylated Dynamin I is a single site at Serine 795, which is located near a binding site for the SH3 domain of p85, the regulatory subunit of phosphatidylinositol 3-kinase (25).

Dephosphorylation is required for synaptic vesicle retrieval, suggesting that phosphorylation affects the subcellular localization of Dynamin I (5). Mouse, rat and human Dynamin I are phosphorylated on serine residues, including Ser 778, by Cdk5, regulating PACSIN1 recruitment and enabling synaptic vesicle endocytosis.

Gene ID: 1759

Pathways: [Toll-Like Receptors Cascades](#), [CXCR4-mediated Signaling Events](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months