

Datasheet for ABIN2812567

**anti-Dynamin 1 antibody (AA 551-680) (AbBy Fluor® 594)**[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 AbBy Fluor® 594                                                                       |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## 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 ( <a href="#">DNM1 Products</a> )                                  |
| 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: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

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Expiry Date: 12 months