

Datasheet for ABIN5688883  
**anti-Dynamin 1 antibody (N-Term)**



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## Overview

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

## Product Details

|               |                                                                                                                                          |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Peptide corresponding to amino acid residues from the N-terminal region of human Dynamin, conjugated to keyhole limpet hemocyanin (KLH). |
| Purification: | Affinity Purified                                                                                                                        |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Dynamin 1 (DNM1)                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Name: | Dynamin ( <a href="#">DNM1 Products</a> )                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Dynamin is a member of a group of nerve terminal proteins called dephosphins that regulate synaptic vesicle endocytosis (Cousin et al., 2001, Graham et al., 2002, Tsuboi et al., 2002).</p> <p>There are 3 known isoforms of Dynamin, each having several splice variants as well. Dynamin I is expressed only in neurons whereas Dynamin II is ubiquitously expressed and Dynamin III is</p> |

## Target Details

|                   |                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | found primarily in the testes. Dynamin 1 is phosphorylated by PKC and dephosphorylated by calcineurin.                                             |
| Molecular Weight: | 95 kDa                                                                                                                                             |
| Gene ID:          | 1759                                                                                                                                               |
| UniProt:          | <a href="#">Q05193</a>                                                                                                                             |
| Pathways:         | <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | The antibody has been demonstrated to work in rat. It is also anticipated that the antibody will work with human, mouse, non-human primates, cow and chicken based on the fact that these species have 100 % homology with the amino acid sequence used as antigen. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                               |

## Handling

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                              |
| Buffer:          | 100 µLin 10 mM HEPES ( pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.   |
| Storage:         | -20 °C                                                                              |
| Storage Comment: | Dynamin antibody can be stored at -20°C and is stable at -20°C for at least 1 year. |