

RecomAb™

## DNM2 recombinant monoclonal antibody, clone R04-3G8

Catalog # RAB06432      Size 100 uL

### Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat DNM2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human DNM2.
Theoretical MW (kDa)	Calculated MW: 98 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunohistochemistry (1:50-1:100) Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot

- Immunohistochemistry
- Immunofluorescence
- Flow Cytometry

## Gene Info — DNM2

Entrez GeneID [1785](#)

Protein Accession# [P50570](#)

Gene Name DNM2

Gene Alias CMTD11, CMTD1B, DI-CMTB, DYN2, DYNII

Gene Description dynamin 2

Omim ID [160150 602378 606482](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Four alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq]

Other Designations dynamin II

## Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)

## Disease

- [Alzheimer disease](#)

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Genetic Predisposition to Disease](#)