

Datasheet for ABIN6242281  
**anti-DNM2 antibody (AA 213-247)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	200 µL
Target:	DNM2
Binding Specificity:	AA 213-247
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	This DNM2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 213-247 amino acids from human DNM2.
Clone:	RB56171
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	DNM2
Alternative Name:	DNM2 ( <a href="#">DNM2 Products</a> )

## Target Details

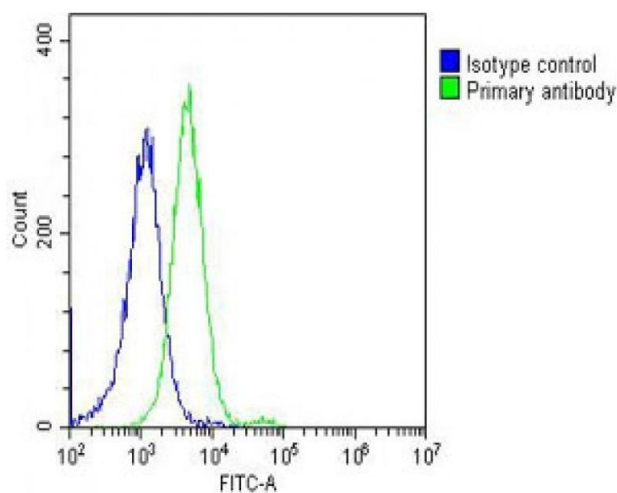
Background:	Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Plays a role in the regulation of neuron morphology, axon growth and formation of neuronal growth cones (By similarity). Plays an important role in vesicular trafficking processes, in particular endocytosis. Involved in cytokinesis.
Molecular Weight:	98064
UniProt:	<a href="#">P50570</a>
Pathways:	<a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Application Notes:	IF: 1:25. WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

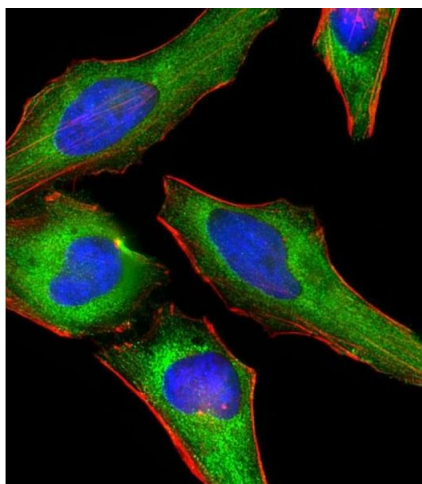
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



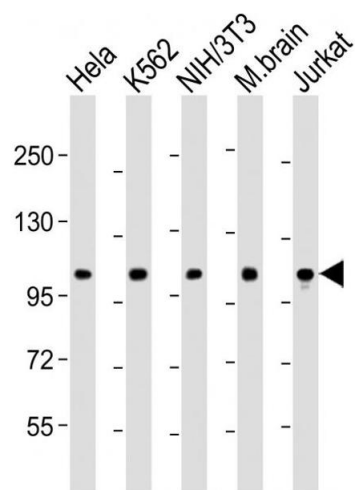
### Flow Cytometry

**Image 1.** Overlay histogram showing HeLa cells stained with (ABIN6242281 and ABIN6578680) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242281 and ABIN6578680), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µg/ $1 \times 10^6$  cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling DNMT2 with (ABIN6242281 and ABIN6578680) at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counterstain is DAPI (blue).



Western Blotting

**Image 3.** All lanes : Anti-DNM2 Antibody (N-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: K562 whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lane 4: mouse brain lysate Lane 5: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 98 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.