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## Datasheet for ABIN7127459 Recombinant anti-DNM2 antibody

3 Images



### Overview

Quantity:	100 μL
Target:	DNM2
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This DNM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	A synthesized peptide derived from human Dynamin 2
Clone:	1D8
Isotype:	lgG
Cross-Reactivity:	Human, Rat
Purification:	Affinity-chromatography

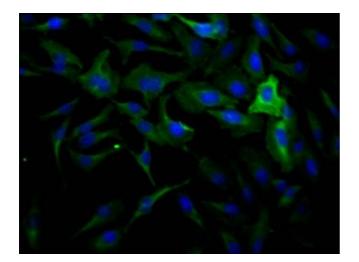
## Target Details

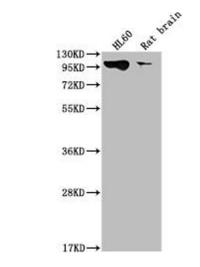
Target:	DNM2
Alternative Name:	DNM2 (DNM2 Products)
Background:	Background: Microtubule-associated force-producing protein involved in producing microtubule

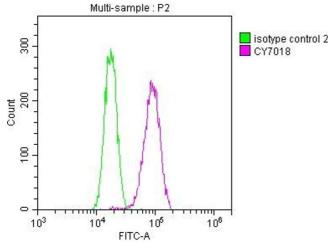
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## Target Details

	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 (PubMed:12498685). Regulates maturation of apoptotic cell corpse-containing phagosomes by recruiting PIK3C3 to the phagosome membrane (By similarity). Aliases: Dynamin-2 (EC 3.6.5.5), DNM2, DYN2
UniProt:	P50570
Pathways:	Toll-Like Receptors Cascades
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IF:1:20-1:200, FC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.







#### Immunofluorescence

**Image 1.** Immunofluorescence staining of Hela Cells with ABIN7127459 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeated by 0.2 % TritonX-100, and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

#### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HL60 whole cell lysate, Rat brain tissue All lanes: DNM2 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 99, 98 kDa Observed band size: 99 kDa

#### **Flow Cytometry**

**Image 3.** Overlay histogram showing Hela cells stained with ABIN7127459 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then incubated in 10 % normal goat serum to block non-specific protein-protein interactions followedby the antibody (1  $\mu$ g/1\*106cells) for 1 h at 4 °C.The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30 min at 4 °C. Control antibody (green line) was Rabbit IgG (1  $\mu$ g/1\*106cells) used under the same conditions. Acquisition of >10,000 events was performed.

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