

DNM2 Recombinant Antibody



RACO0374

Product Information

Size:

50ul

Reactivity:

Human, Rat

Source:

Homo sapiens (Human)

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IF, FC

Recommended dilutions:

WB:1:500-1:5000, IF:1:20-1:200, FC:1:20-1:200

Protein 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 . Regulates maturation of apoptotic cell corpse-containing phagosomes by recruiting PIK3C3 to the phagosome membrane (By similarity).

Gene ID:

DNM2

Uniprot

P50570

Synonyms:

Dynamin-2 (EC 3.6.5.5), DNM2, DYN2

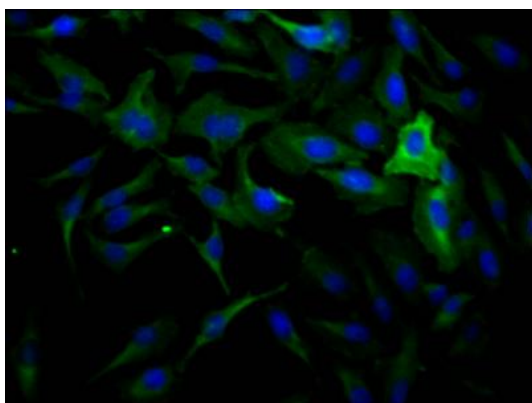
Immunogen:

A synthesized peptide derived from human Dynamin 2.

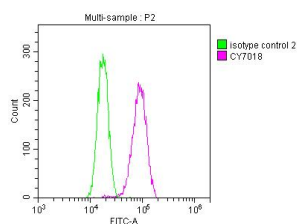
Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

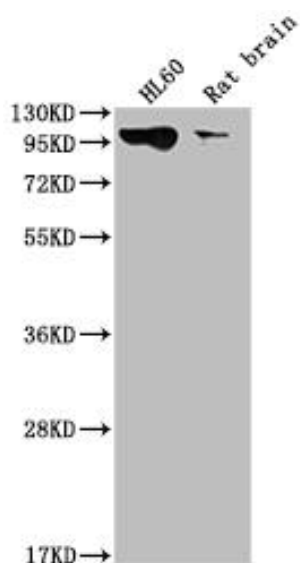
Product Images



Immunofluorescence staining of HeLa Cells with RACO0374 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).



Overlay histogram showing HeLa cells stained with RACO0374 (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 followed by the antibody ($1\mu\text{g}$) 1×10^6 cells for 1 h at 4°C. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4°C. Control antibody (green line) was Rabbit IgG ($1\mu\text{g}$) 1×10^6 cells used under the same conditions. Acquisition of >10,000 events was performed.



Western Blot

Positive WB detected in (HL60 whole cell lysate) Rat brain tissue

All lanes: DN M2 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