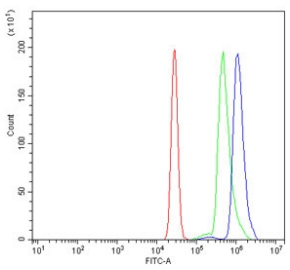
DNM2 Antibody / Dynamin 2 (RQ7163)

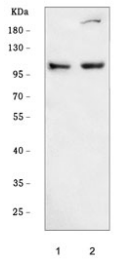
Catalog No.	Formulation	Size
RQ7163	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P50570
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This DNM2 antibody is available for research use only.



Flow cytometry testing of human U937 cells with DNM2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DNM2 antibody.



Western blot testing of human 1) RT4 and 2) MCF7 cell lysate with DNM2 antibody. Predicted molecular weight ~98 kDa.

Description

Dynamin-2 is a protein that in humans is encoded by the DNM2 gene. 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. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined.

Application Notes

Optimal dilution of the DNM2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids N498-R785) was used as the immunogen for the DNM2 antibody.

Storage

After reconstitution, the DNM2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.