A0523

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DNM2 Rabbit pAb

Catalog No.: A0523 **3 Publications**

Basic Information

Observed MW
110kDa

Calculated MW
98kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
1785

Swiss Prot
P50570

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 607-866 of human DNM2 (NP_004936.2).

Synonyms
DYN2; CMT2M; DYNII; LCCS5; CMTDI1; CMTDIB; DI-CMTB; DNM2

Contact

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Product Information

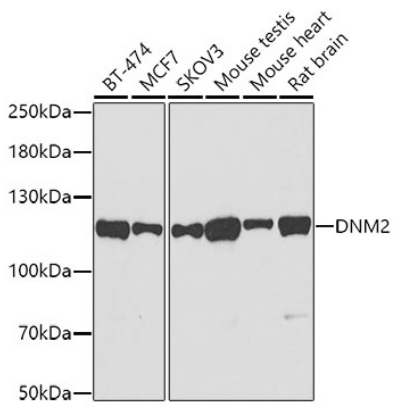
Source
Rabbit

Isotype
IgG

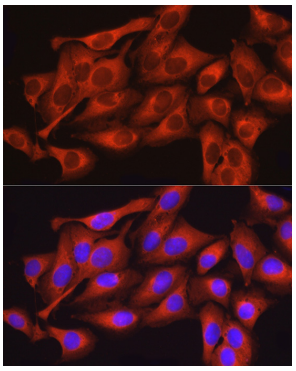
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

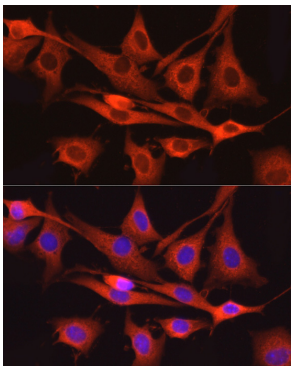
Validation Data



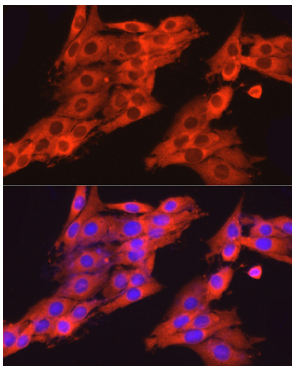
Western blot analysis of extracts of various cell lines, using DNM2 antibody (A0523) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using DNM2 antibody (A0523) at dilution of 1:150. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using DNM2 antibody (A0523) at dilution of 1:150. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using DNM2 antibody (A0523) at dilution of 1:150. Blue: DAPI for nuclear staining.