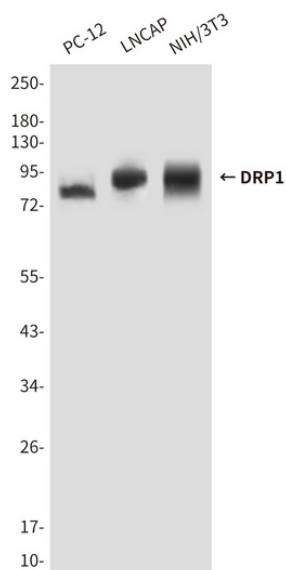
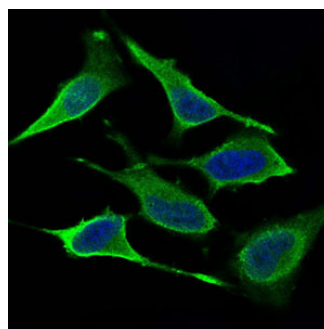


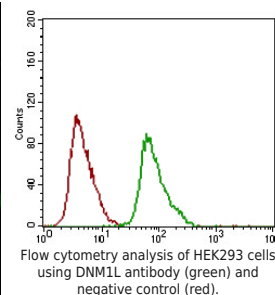
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | DRP1 Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cat number:</b>       | MABN03709                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host:</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype:</b>          | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity:</b>       | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>     | WB 1:500-1:1000,ICC/IF 1:50-1:200,FC 1:50-1:100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Weight:</b> | Calculated MW: 82 kDa; Observed MW: 82 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification:</b>     | Ascitic Fluid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage:</b>          | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Background:</b>       | The protein encoded by this gene is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the <i>S. cerevisiae</i> proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated. |



Western blot analysis of DRP1 in PC-12, LNCAP and NIH/3T3 lysates using DRP1 antibody.



Immunofluorescence analysis of DRP1 in HeLa cells using DRP1 antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometry analysis of HEK293 cells using DNM1L antibody (green) and negative control (red).