

DRP1 MOUSE MAB

Cat.#: N261205

Product Name: Anti-DRP1 Mouse Monoclonal Antibody

Synonyms: DNML1; DLPI; DRP1; Dynamin-1-like protein; Dnm1p/Vps1p-like protein; DVLP; Dynamin family member proline-rich carboxyl-terminal domain less; Dymple; Dynamin-like protein; Dynamin-like protein 4; Dynamin-like protein IV; HdynIV; Dynamin-rela

UNIPROT ID: O00429

Background: The protein encoded by this gene is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the *S. cerevisiae* 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.

Immunogen: Purified recombinant fragment of human DNML1 (AA: 69-213) expressed in *E. Coli*.

Applications: WB, ICC/IF, FC

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 FC: 1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 10D2

MW: Calculated MW: 82 kDa; Observed MW: 82 kDa

Isotype: IgG1

Purification: Ascitic Fluid

Species Reactivity: Human, Mouse, Rat

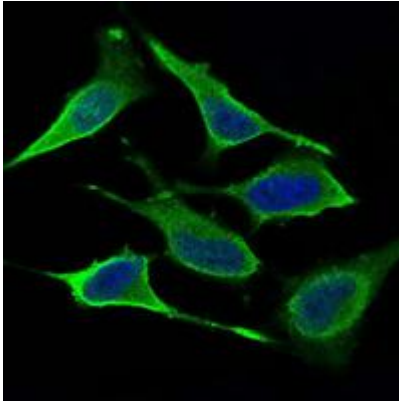
Conjugation: Unconjugated

Modification: Unmodified

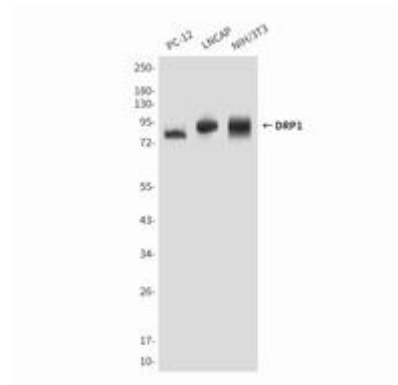
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Neuroscience

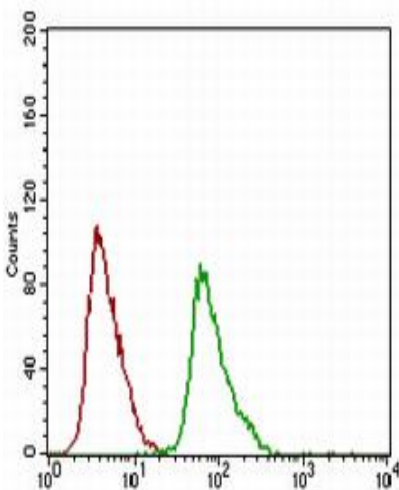
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



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



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



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