

A21310

Leader in Biomolecular Solutions for Life Science



DRP1 Rabbit pAb

Catalog No.: A21310

Basic Information

Observed MW

78-82kDa

Calculated MW

82kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human,Rat

Background

This gene encodes a member of the dynamin superfamily of GTPases. The encoded protein mediates mitochondrial and peroxisomal division, and is involved in developmentally regulated apoptosis and programmed necrosis. Dysfunction of this gene is implicated in several neurological disorders, including Alzheimer's disease. Mutations in this gene are associated with the autosomal dominant disorder, encephalopathy, lethal, due to defective mitochondrial and peroxisomal fission (EMPF). Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilutions

WB	1:100 - 1:500
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

10059

Swiss Prot

O00429

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 437-736 of human DRP1. (NP_036192.2).

Synonyms

DLP1; DRP1; DVLP; EMPF; OPA5; EMPF1; DYMPLE; HDYNIV

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

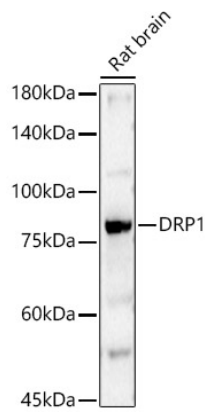
Affinity purification

Storage

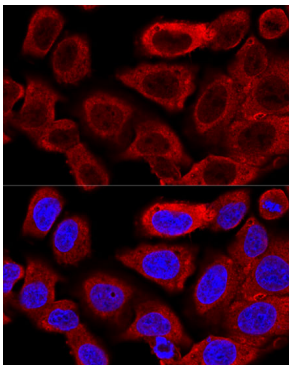
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of Rat brain, using DRP1 antibody (A21310) at 1:400 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) 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.



Confocal immunofluorescence analysis of U-2 OS cells using DRP1 Polyclonal Antibody (A21310) at dilution of 1:200. Blue: DAPI for nuclear staining.