

# DRP1 Rabbit pAb

Catalog No.: A2586 **12 Publications**

## Basic Information

**Catalog No.**

A2586

**Observed MW**

78KDa

**Calculated MW**

60kDa/78kDa/79kDa/80kDa/81kDa/82kDa/83kDa

**Category**

Primary antibody

**Applications**

WB, IHC, IF

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

**WB** 1:500 - 1:2000**IHC** 1:50 - 1:200**IF** 1:50 - 1:200

## 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.

## Immunogen Information

**Gene ID**

10059

**Swiss Prot**

O00429

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 411-710 of human DRP1 (NP\_036193.2).

**Synonyms**

DNM1L;DLP1;DRP1;DVLP;DYMPLE;EMPF;EMPF1;HDYNIV

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

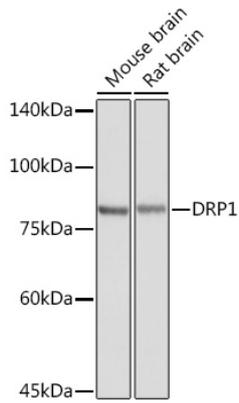
Affinity purification

**Storage**

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using DRP1 Rabbit pAb (A2586) at 1:8000 dilution.

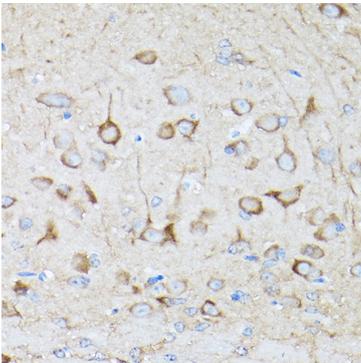
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

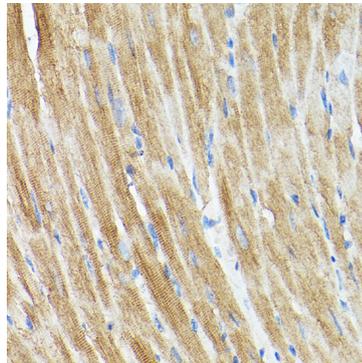
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

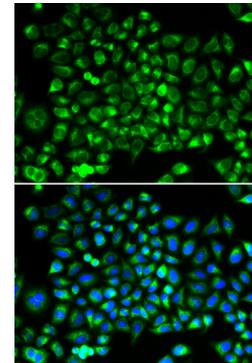
Exposure time: 1s.



Immunohistochemistry of paraffin-embedded rat brain using DRP1 Rabbit pAb (A2586) at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat heart using DRP1 Rabbit pAb (A2586) at dilution of 1:250 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of HeLa cells using DRP1 antibody (A2586). Blue: DAPI for nuclear staining.