

AP1353

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# Phospho-DRP1-S616 Rabbit mAb

Catalog No.: AP1353

Recombinant

9 Publications

## Basic Information

### Observed MW

78-82kDa

### Calculated MW

82kDa

### Category

Monoclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC55743

## 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** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

10059

### Swiss Prot

O00429

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

DLP1; DRP1; DVLP; EMPF; OPA5; EMPF1; DYMPLE; HDYNIV; Phospho-DRP1-S616

## Contact

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

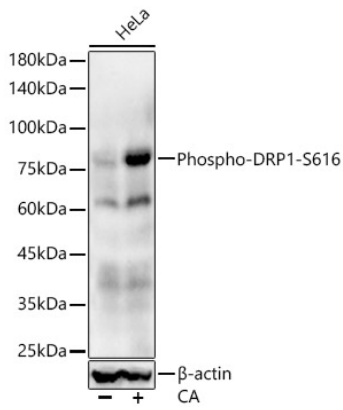
### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of various lysates, using Phospho-DRP1-S616 Rabbit mAb (AP1353) at 1:10000 dilution. HeLa cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.

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

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 90s.