AP0849

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# Phospho-DRP1-S616 Rabbit pAb

**Catalog No.: AP0849** **14 Publications**

## Basic Information

**Observed MW**
83kDa

**Calculated MW**
82kDa

**Category**
Polyclonal Antibody

**Applications**
WB,ELISA

**Cross-Reactivity**
Human

## 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 - 1:2000 |
| **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

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## Product Information

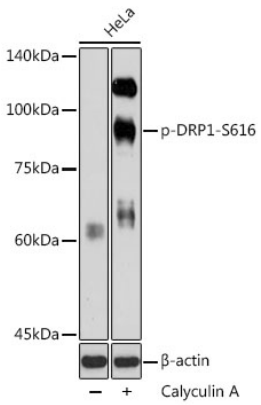
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of lysates from HeLa cells, using Phospho-DRP1-S616 Rabbit pAb (AP0849) at 1:1000 dilution. HeLa cells were treated with Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.