AP1353

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Phospho-DRP1-S616 Rabbit mAb

Catalog No.: AP1353 Recombinant 13 Publications

Basic Information

Observed MW
78-82kDa

Calculated MW
82kDa

Category
Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human

Clone 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

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Product Information

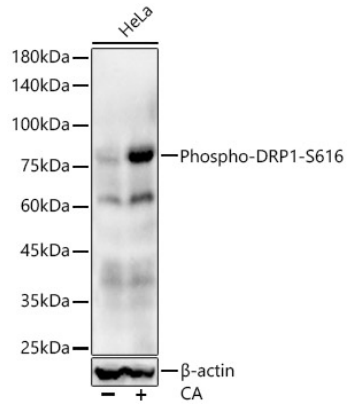
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



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℃ 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% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 90s.

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