

## Rabbit DRP1 Polyclonal Antibody | anti-DRP1 antibody

DRP1 Rabbit Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA30750  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunocytochemistry, Western Blot, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

DRP1; Polyclonal Antibody; DRP1 Rabbit Polyclonal Antibody; DNM1L; DLP1; Dynamin-1-like protein; Dnm1p/Vps1p-like protein; DVLP; Dynamin family member proline-rich carboxyl-terminal domain less; Dymple; Dynamin-like protein; Dynamin-like protein 4; Dynamin-like protein IV; HdynIV; Dynamin-rela; BH6842; anti-DRP1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                            |
| Specificity                                    | DRP1 Polyclonal Antibody detects endogenous levels of DRP1 protein.                                                   |
| Purity/Purification                            | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                               |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                |
| Applicable Applications for anti-DRP1 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), IHC (Immunohistochemistry), ELISA              |
| Application Notes                              | IF: 1:50-200<br>WB: 1/500-1/2000<br>IHC: 1/100-1/300<br>ELISA: 1/10000                                                |
| Immunogen                                      | Synthesized peptide derived from DRP1. at AA range: 580-660                                                           |
| Modification                                   | Unmodified/Total                                                                                                      |
| Preparation and Storage                        | Store at -20 degree C/1 year                                                                                          |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1,DRP1 Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,DRP1 Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



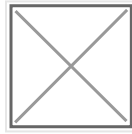
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,DRP1 Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



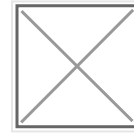
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-spinal-cord tissue. 1,DRP1 Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-brain tissue. 1,DRP1 Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,DRP1 Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

## ADDITIONAL INFORMATION

### Related Product Information for anti-DRP1 antibody

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. [provided by RefSeq, Jun 2013]

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 171460918                                                                                                                                                                                      |
| NCBI GeneID                      | 10059                                                                                                                                                                                          |
| NCBI Accession #                 | NP_005681.2                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_005690.4                                                                                                                                                                                    |
| UniProt Accession #              | O00429; O14541; O60709; Q7L6B3; Q8TBT7; Q9BWM1; Q9Y5J2; A8K4X9; B4DSU8                                                                                                                         |
| Molecular Weight                 | 82KD                                                                                                                                                                                           |
| NCBI Official Full Name          | dynamin-1-like protein isoform 3                                                                                                                                                               |
| NCBI Official Synonym Full Names | dynamin 1-like                                                                                                                                                                                 |
| NCBI Official Symbol             | DNM1L                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | DLP1; DRP1; DVLP; EMPF; DYMPLE; HDYNIV                                                                                                                                                         |
| NCBI Protein Information         | dynamin-1-like protein; dynamin-like protein 4; dynamin-like protein IV; Dnm1p/Vps1p-like protein; dynamin-related protein 1; dynamin family member proline-rich carboxyl-terminal domain less |
| UniProt Protein Name             | Dynamin-1-like protein                                                                                                                                                                         |
| UniProt Gene Name                | <b>DNM1L</b>                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | DLP1; DRP1; DVLP; Dymple; HdynIV                                                                                                                                                               |
| UniProt Entry Name               | DNM1L_HUMAN                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

