**For Research Use Only**

**DRP1 (C-terminal) Polyclonal ANTIBODY**

**Catalog Number:** 12957-1-AP  
**16 Publications**

### Basic Information

<table>
<thead>
<tr>
<th>Basic Information</th>
<th>Catalog Number: 12957-1-AP</th>
<th>GenBank Accession Number: BC024590</th>
<th>GenID (NCBI): 10059</th>
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</thead>
<tbody>
<tr>
<td>Size</td>
<td>24 μg/150 μl</td>
<td>Full Name: dynamin 1-like</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>Rabbit</td>
<td>Calculated MW: 710 kDa</td>
<td></td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
<td>Observed MW: 75-80 kDa</td>
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</tr>
<tr>
<td>Purification Method</td>
<td>Antigen affinity purification</td>
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<tr>
<td>Immunogen Catalog Number</td>
<td>AC03644</td>
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</tbody>
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### Applications

**Tested Applications:** IF, IHC, IP, WB, ELISA

**Cited Applications:** IHC, WB

**Species Specificity:** human, mouse

**Cited Species:** chicken, human, monkey, mouse

**Note-IHC:** suggested antigen retrieval with 
TE buffer pH 9.0; (*) Alternatively, antigen 
retrieval may be performed with citrate 
buffer pH 6.0

### Background Information

DNM1L (Dynamin-1-like protein), also known as dynamin-related protein 1 (DRP1), belongs to the dynamin family of large GTPases that mediate membrane remodeling during a variety of cellular processes. DNM1L has an important role in the division of growing mitochondria and peroxisomes and also mediates outer mitochondrial membrane fission in mammalian cells. DNM1L is ubiquitously expressed with abundant expression in skeletal muscle, heart, kidney and brain. Variable isoforms of DNM1L have been reported in a tissue-specific manner due to the alternative splicing.

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jinghua Du</td>
<td>29108819</td>
<td>Theranostics</td>
<td>WB</td>
</tr>
<tr>
<td>Siwen Li</td>
<td>26857786</td>
<td>Chemosphere</td>
<td>WB</td>
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<tr>
<td>Jing Yuan</td>
<td>31543403</td>
<td>Cell Metab</td>
<td>WB</td>
</tr>
</tbody>
</table>

### Storage

**Storage:** Store at -20°C. Stable for one year after shipment.

**Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

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For technical support and original validation data for this product please contact:  
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W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS-PAGE followed by western blot with 12957-1-AP (DRP1 (C-terminal) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

WB result of DRP1 (C-terminal) antibody (12957-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DRP1 (C-terminal) transfected HeLa cells.

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 12957-1-AP (DRP1 (C-terminal) antibody) at dilution of 1:200, heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12957-1-AP (DRP1 (C-terminal) antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

IP result of anti-DRP1 (C-terminal) (IP: 12957-1-AP, 4ug; Detection: 12957-1-AP 1:1000) with mouse brain tissue lysate 2400 ug.