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Datasheet for ABIN6990962  
**anti-PARL antibody (N-Term)**

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.1 mg   |
| Target:              | PARL   |
| Binding Specificity: | AA 40-90, N-Term   |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This PARL antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

### Product Details

|               |   |
|---------------|---|
| Immunogen:    | PARL antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human PARL. The immunogen is located within amino acids 40 - 90 of PARL. |
| Isotype:      | IgG   |
| Purification: | PARL Antibody is affinity chromatography purified via peptide column.   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | PARL  |
| Alternative Name: | PARL ( <a href="#">PARL Products</a> )  |
| Background:       | PARL Antibody: PARL is a mitochondrial integral membrane protein and a member of the highly conserved rhomboid superfamily of membrane proteins. PARL is required for the control of apoptosis during postnatal growth and is required for the processing of OPA1, a protein that |

## Target Details

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prevents the release of cytochrome C from the mitochondria in response to apoptotic signals. In lymphocytes and neurons, PARL's association with other proteins, such as the Bcl-2 family-related protein Hax1 and Omi can lead to the proteolytic processing of Omi by PARL, preventing the accumulation of Bax, thereby suppressing apoptosis. Variations in this gene have been associated with increased risk for type 2 diabetes. PARL may also play a role in the progression of Alzheimer's disease through its associations with presenilin-1 and -2. Multiple isoforms of PARL are known to exist.

Gene ID: 55486

UniProt: [Q9H300](#)

Pathways: [Autophagy](#)

## Application Details

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Application Notes: PARL antibody can be used for detection of PARL by Western blot at 1 - 2  $\mu$ g/mL. Despite its predicted molecular weight of ~42 kDa, PARL is observed at a higher molecular weight in SDS-PAGE. Antibody can also be used for immunocytochemistry starting at 2.5  $\mu$ g/mL. For immunofluorescence start at 20  $\mu$ g/mL.

Antibody validated: Western Blot in mouse samples, Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: PARL Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PARL antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.