

PARL Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58696**Specification****PARL Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O9H300
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42190

PARL Polyclonal Antibody - Additional Information**Gene ID** 55486**Other Names**

Presenilins-associated rhomboid-like protein, mitochondrial, 3.4.21.105, Mitochondrial intramembrane cleaving protease PARL, P-beta, Pbeta, PARL, PSARL

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PARL Polyclonal Antibody - Protein Information**Name** PARL**Synonyms** PSARL**Function**

Required for the control of apoptosis during postnatal growth. Essential for proteolytic processing of an antiapoptotic form of OPA1 which prevents the release of mitochondrial cytochrome c in response to intrinsic apoptotic signals (By similarity). Required for the maturation of PINK1 into its 52kDa mature form after its cleavage by mitochondrial-processing peptidase (MPP) (PubMed:22354088). Promotes cleavage of serine/threonine-protein phosphatase PGAM5 in damaged mitochondria in response to loss of mitochondrial membrane potential (PubMed:<a

[22915595](http://www.uniprot.org/citations/22915595)). Mediates differential cleavage of PINK1 and PGAM5 depending on the health status of mitochondria, disassociating from PINK1 and associating with PGAM5 in response to mitochondrial membrane potential loss (PubMed: [22915595](http://www.uniprot.org/citations/22915595)). Required for processing of CLPB into a form with higher protein disaggregase activity by removing an autoinhibitory N-terminal peptide (PubMed: [28288130](http://www.uniprot.org/citations/28288130), PubMed: [32573439](http://www.uniprot.org/citations/32573439)). Promotes processing of DIABLO/SMAC in the mitochondrion which is required for DIABLO apoptotic activity (PubMed: [28288130](http://www.uniprot.org/citations/28288130)). Also required for cleavage of STARD7 and TTC19 (PubMed: [28288130](http://www.uniprot.org/citations/28288130)). Promotes changes in mitochondria morphology regulated by phosphorylation of P-beta domain (PubMed: [14732705](http://www.uniprot.org/citations/14732705), PubMed: [17116872](http://www.uniprot.org/citations/17116872)).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

PARL Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PARL Polyclonal Antibody - Images