

**PARP16 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6299d****Specification**

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**PARP16 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q8N5Y8](#)**PARP16 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54956**Other Names**

Mono [ADP-ribose] polymerase PARP16, ADP-ribosyltransferase diphtheria toxin-like 15, Poly [ADP-ribose] polymerase 16, PARP-16, PAR16

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PARP16 Antibody (C-term) Blocking Peptide - Protein Information****Name** PARP16 {ECO:0000303|PubMed:20106667, ECO:0000312|HGNC:HGNC:26040}**Function**

Intracellular mono-ADP-ribosyltransferase that plays a role in different processes, such as protein translation and unfolded protein response (UPR), through the mono-ADP-ribosylation of proteins involved in those processes (PubMed: [22701565](http://www.uniprot.org/citations/22701565), PubMed: [23103912](http://www.uniprot.org/citations/23103912), PubMed: [25043379](http://www.uniprot.org/citations/25043379), PubMed: [34314702](http://www.uniprot.org/citations/34314702)). Acts as an inhibitor of protein translation by catalyzing mono-ADP-ribosylation of ribosomal subunits, such as RPL14 and RPS6, thereby inhibiting polysome assembly and mRNA loading (PubMed: [34314702](http://www.uniprot.org/citations/34314702)). Mono-ADP-ribosylation of ribosomal subunits is promoted by NMNAT2 (PubMed: [34314702](http://www.uniprot.org/citations/34314702)). Involved in the unfolded protein response (UPR) by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors (PubMed: [23103912](http://www.uniprot.org/citations/23103912)). May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor (PubMed: [22701565](http://www.uniprot.org/citations/22701565)). May not modify proteins on arginine or cysteine residues

compared to other mono-ADP-ribosyltransferases (PubMed:<a href="http://www.uniprot.org/citations/22701565" target="\_blank">22701565</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type IV membrane protein

**PARP16 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PARP16 Antibody (C-term) Blocking Peptide - Images****PARP16 Antibody (C-term) Blocking Peptide - Background**

The function of this protein has not been specifically defined.

**PARP16 Antibody (C-term) Blocking Peptide - References**

Ame, J.C., et al. Bioessays 26(8):882-893(2004)