

**WRNIP1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19098a****Specification**

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**WRNIP1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q96S55](#)**WRNIP1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 56897**Other Names**

ATPase WRNIP1, Werner helicase-interacting protein 1, WRNIP1 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=20876](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=20876))  
HGNC:20876

**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.

**WRNIP1 Antibody (N-term) Blocking Peptide - Protein Information****Name** WRNIP1 ([HGNC:20876](#))**Function**

Functions as a modulator of initiation or reinitiation events during DNA polymerase delta-mediated DNA synthesis. In the presence of ATP, stimulation of DNA polymerase delta-mediated DNA synthesis is decreased. Also plays a role in the innate immune defense against viruses. Stabilizes the RIGI dsRNA interaction and promotes RIGI 'Lys- 63'-linked polyubiquitination. In turn, RIGI transmits the signal through mitochondrial MAVS.

**Cellular Location**

Nucleus. Cytoplasm. Note=Colocalizes with WRN in granular structures in the nucleus.

**Tissue Location**

Ubiquitously expressed.

**WRNIP1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **WRNIP1 Antibody (N-term) Blocking Peptide - Images**

#### **WRNIP1 Antibody (N-term) Blocking Peptide - Background**

Werner's syndrome is a rare autosomal recessive disorder characterized by premature aging. The protein encoded by this gene interacts with the N-terminal portion of Werner protein containing the exonuclease domain. This protein shows homology to replication factor C family proteins, and is conserved from E. coli to human. Studies in yeast suggest that this gene may influence the aging process. Two transcript variants encoding different isoforms have been isolated for this gene.

#### **WRNIP1 Antibody (N-term) Blocking Peptide - References**

Kaur, S., et al. Cell Cycle 9(15):3106-3111(2010) Yoshimura, A., et al. Genes Genet. Syst. 84(2):171-178(2009) Crosetto, N., et al. J. Biol. Chem. 283(50):35173-35185(2008) Mano, Y., et al. Cancer Sci. 98(12):1902-1913(2007) Bish, R.A., et al. J. Biol. Chem. 282(32):23184-23193(2007)