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WRNIP1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP19098a

Specification

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 (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 disordercharacterized by premature aging. The protein encoded by this geneinteracts with the N-terminal portion of Werner protein containingthe exonuclease domain. This protein shows homology to replicationfactor C family proteins, and is conserved from E. coli to human.Studies in yeast suggest that this gene may influence the agingprocess. Two transcript variants encoding different isoforms havebeen 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)