

SUPV3L1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9772a**Specification**

SUPV3L1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8IYB8](#)**SUPV3L1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6832**Other Names**

ATP-dependent RNA helicase SUPV3L1, mitochondrial, Suppressor of var1 3-like protein 1, SUV3-like protein 1, SUPV3L1, SUV3

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.

SUPV3L1 Antibody (N-term) Blocking Peptide - Protein Information**Name** SUPV3L1**Synonyms** SUV3**Function**

Major helicase player in mitochondrial RNA metabolism. Component of the mitochondrial degradosome (mtEXO) complex, that degrades 3' overhang double-stranded RNA with a 3'-to-5' directionality in an ATP-dependent manner. Involved in the degradation of non-coding mitochondrial transcripts (MT-ncRNA) and tRNA-like molecules (PubMed:29967381). ATPase and ATP-dependent multisubstrate helicase, able to unwind double-stranded (ds) DNA and RNA, and RNA/DNA heteroduplexes in the 5'-to-3' direction. Plays a role in the RNA surveillance system in mitochondria; regulates the stability of mature mRNAs, the removal of aberrantly formed mRNAs and the rapid degradation of non coding processing intermediates. Also implicated in recombination and chromatin maintenance pathways. May protect cells from apoptosis. Associates with mitochondrial DNA.

Cellular Location

Nucleus. Mitochondrion matrix Mitochondrion matrix, mitochondrion nucleoid

Tissue Location

Broadly expressed..

SUPV3L1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SUPV3L1 Antibody (N-term) Blocking Peptide - Images**SUPV3L1 Antibody (N-term) Blocking Peptide - Background**

SUPV3L1 is an ATPase and DNA/RNA helicase able to unwind DNA/DNA, DNA/RNA and RNA/RNA duplexes in the 5'-3' direction. It may protect cells from apoptosis.

SUPV3L1 Antibody (N-term) Blocking Peptide - References

Szczesny, R.J., et al. Nucleic Acids Res. 38(1):279-298(2010)Wang, D.D., et al. J. Biol. Chem. 284(31):20812-20821(2009)Khidr, L., et al. J. Biol. Chem. 283(40):27064-27073(2008)Bogenhagen, D.F., et al. J. Biol. Chem. 283(6):3665-3675(2008)Pereira, M., et al. Mech. Ageing Dev. 128 (11-12), 609-617 (2007) Shu, Z., et al. Biochemistry 43(16):4781-4790(2004)