

SKIV2L Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10138c**Specification**

SKIV2L Antibody (Center) Blocking peptide - Product Information

Primary Accession [O15477](#)
Other Accession [NP_008860.4](#)

SKIV2L Antibody (Center) Blocking peptide - Additional Information

Gene ID 6499

Other Names

Helicase SKI2W, Ski2, 364-, Helicase-like protein, HLP, SKIV2L, DDX13, SKI2W, SKIV2, W

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.

SKIV2L Antibody (Center) Blocking peptide - Protein Information

Name SKIC2 ([HGNC:10898](#))

Function

Helicase component of the SKI complex, a multiprotein complex that assists the RNA-degrading exosome during the mRNA decay and quality-control pathways (PubMed:16024656, PubMed:32006463, PubMed:35120588). The SKI complex catalyzes mRNA extraction from 80S ribosomal complexes in the 3'-5' direction and channels mRNA to the cytosolic exosome for degradation (PubMed:32006463, PubMed:35120588). SKI-mediated extraction of mRNA from stalled ribosomes allow binding of the Pelota-HBS1L complex and subsequent ribosome disassembly by ABCE1 for ribosome recycling (PubMed:32006463). In the nucleus, the SKI complex associates with transcriptionally active genes in a manner dependent on PAF1 complex (PAF1C) (PubMed:16024656).

Cellular Location

Nucleus. Cytoplasm

SKIV2L Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SKIV2L Antibody (Center) Blocking peptide - Images

SKIV2L Antibody (Center) Blocking peptide - Background

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is a human homologue of yeast SKI2 and may be involved in antiviral activity by blocking translation of poly(A) deficient mRNAs. This gene is located in the class III region of the major histocompatibility complex.

SKIV2L Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Chen, W., et al. Proc. Natl. Acad. Sci. U.S.A. 107(16):7401-7406(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :