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SARNP Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16466c

Specification

SARNP Antibody (Center) Blocking Peptide - Product Information

Primary Accession P82979

SARNP Antibody (Center) Blocking Peptide - Additional Information

Gene ID 84324

Other Names
SAP domain-containing ribonucleoprotein, Cytokine-induced protein of 29 kDa, Nuclear protein Hcc-1, Proliferation-associated cytokine-inducible protein CIP29, SARNP, HCC1

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.

SARNP Antibody (Center) Blocking Peptide - Protein Information

Name SARNP

Synonyms HCC1

Function
Binds both single-stranded and double-stranded DNA with higher affinity for the single-stranded form. Specifically binds to scaffold/matrix attachment region DNA. Also binds single-stranded RNA. Enhances RNA unwinding activity of DDX39A. May participate in important transcriptional or translational control of cell growth, metabolism and carcinogenesis. Component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and specifically associates with spliced mRNA and not with unspliced pre- mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production.

Cellular Location
Nucleus. Nucleus speckle.

Tissue Location
Low expression in spleen, liver, pancreas, testis, thymus, heart, and kidney. Increased levels are seen in hepatocellular carcinoma and pancreatic adenocarcinoma.

SARNP Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

SARNP Antibody (Center) Blocking Peptide - Images

SARNP Antibody (Center) Blocking Peptide - Background

This gene encodes a protein that is upregulated inresponse to various cytokines. The encoded protein may play a rolein cell cycle progression. A translocation between this gene andthe myeloid/lymphoid leukemia gene, resulting in expression of achimeric protein, has been associated with acute myelomonocyticleukemia. Pseudogenes exist on chromosomes 7 and 8. Alternativelyspliced transcript variants have been described. [provided byRefSeq].

SARNP Antibody (Center) Blocking Peptide - References

Sugiura, T., et al. Exp. Cell Res. 313(4):782-790(2007)Leaw, C.L., et al. Cell. Mol. Life Sci. 61(17):2264-2273(2004)Hashii, Y., et al. Leukemia 18(9):1546-1548(2004)Fukuda, S., et al. Biochem. Biophys. Res. Commun. 292(3):593-600(2002)Choong, M.L., et al. FEBS Lett. 496 (2-3), 109-116 (2001) :