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PSPC1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP5582b

Specification

PSPC1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q8WXF1
Other Accession	NP_001035879.1

PSPC1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 55269

Other Names
Paraspeckle component 1, Paraspeckle protein 1, PSPC1, PSP1

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.

PSPC1 Antibody (C-term) Blocking peptide - Protein Information

Name PSPC1

Synonyms PSP1

Function
Regulates, cooperatively with NONO and SFPQ, androgen receptor-mediated gene transcription activity in Sertoli cell line (By similarity). Binds to poly(A), poly(G) and poly(U) RNA homopolymers. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-BMAL1 heterodimer (By similarity). Together with NONO, required for the formation of nuclear paraspeckles. Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway.

Cellular Location
Nucleus, nucleolus. Nucleus matrix. Cytoplasm. Nucleus speckle. Note=In punctate subnuclear structures often located adjacent to splicing speckles, called paraspeckles. Colocalizes with NONO and SFPQ in paraspeckles and perinucleolar caps in an RNA-dependent manner. May cycle between paraspeckles and nucleolus. In telophase, when daughter nuclei form, localizes to perinucleolar caps

Tissue Location
Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.

PSPC1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

PSPC1 Antibody (C-term) Blocking peptide - Images

PSPC1 Antibody (C-term) Blocking peptide - Background

PSPC1 rfegulates, cooperatively with NONO and SFPQ, androgen receptor-mediated gene transcription activity in Sertoli cell line (By similarity) and binds to poly(A), poly(G) and poly(U) RNA homopolymers (By similarity).

PSPC1 Antibody (C-term) Blocking peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Fox, A.H., et al. Mol. Biol. Cell 16(11):5304-5315(2005)Andersen, J.S., et al. Nature 433(7021):77-83(2005)Fox, A.H., et al. Curr. Biol. 12(1):13-25(2002)