10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SSB Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2801a

Specification

SSB Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P05455

SSB Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 6741

Other Names
Lupus La protein, La autoantigen, La ribonucleoprotein, Sjoegren syndrome type B antigen, SS-B, SSB

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2801a was selected from the N-term region of human SSB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SSB Antibody (N-term) Blocking Peptide - Protein Information

Name SSB

Function
Binds to the 3' poly(U) terminus of nascent RNA polymerase III transcripts, protecting them from exonuclease digestion and facilitating their folding and maturation (PubMed:3192525, PubMed:2470590). In case of Coxsackievirus B3 infection, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES- mediated translation (PubMed:12384597).

Cellular Location
Nucleus.

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SSB Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SSB Antibody (N-term) Blocking Peptide - Images

SSB Antibody (N-term) Blocking Peptide - Background

SSB is involved in diverse aspects of RNA metabolism, including binding and protecting 3-prime UUU(OH) elements of newly RNA polymerase III -transcribed RNA, processing 5-prime and 3-prime ends of pre-tRNA precursors, acting as an RNA chaperone, and binding viral RNAs associated with hepatitis C virus. This protein was originally defined by its reactivity with autoantibodies from patients with Sjogren syndrome and systemic lupus erythematosus.

SSB Antibody (N-term) Blocking Peptide - References

Bitko,V., J. Virol. 82 (16), 7977-7987 (2008)Kotik-Kogan,O., Structure 16 (6), 852-862 (2008)Biswas,D., Clin. Rheumatol. 27 (6), 717-722 (2008)