

SSB Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2801b

Specification

SSB Antibody (C-term) - Product Information

Application WB, IHC-P,E **Primary Accession** P05455 Other Accession Q04504 Reactivity Human Predicted Rabbit **Rabbit** Host Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 46837 Antigen Region 366-397

SSB Antibody (C-term) - Additional Information

Gene ID 6741

Other Names

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

Target/Specificity

This SSB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-397 amino acids from the C-terminal region of human SSB.

Dilution

WB~~1:1000 IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SSB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SSB Antibody (C-term) - 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:2470590, PubMed:3192525). In case of Coxsackievirus B3 infection, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES- mediated translation (PubMed:12384597).

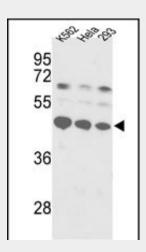
Cellular Location Nucleus.

SSB Antibody (C-term) - Protocols

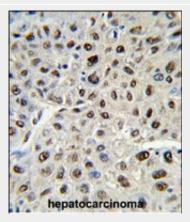
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

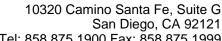
SSB Antibody (C-term) - Images



Western blot analysis of SSB Antibody (C-term) (Cat.#AP2801b) in K562, Hela, 293 cell line lysates (35ug/lane). SSB (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with SSB Antibody





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(C-term) (Cat.#AP2801b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

SSB Antibody (C-term) - 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 (C-term) - 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)