

Product Name: SSB Rabbit Polyclonal Antibody
Catalog #: APRab18296



Summary

Production Name	SSB Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SSB
Alternative Names	SSB; Lupus La protein; La autoantigen; La ribonucleoprotein; Sjogren syndrome type B antigen; SS-B
Gene ID	6741.0
SwissProt ID	P05455.The antiserum was produced against synthesized peptide derived from human SSB. AA range:341-390

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	47kDa

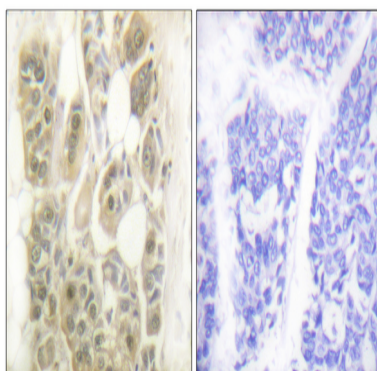
Background

Sjogren syndrome antigen B(SSB) Homo sapiens The protein encoded by this gene is involved in diverse aspects of RNA metabolism, including binding and protecting poly(U) termini of nascent RNA polymerase III transcripts from exonuclease digestion, processing 5' and 3' ends of pre-tRNA precursors, acting as an RNA chaperone, and binding viral RNAs associated with hepatitis C virus. Autoantibodies reacting with this protein are found in the sera of patients with Sjogren syndrome and systemic lupus erythematosus. Alternative promoter usage results in two different transcript variants which encode the same protein. [provided by RefSeq, Jun 2014],disease:Sera from patients with systemic lupus erythematosus (SLE) often contain antibodies that react with the normal cellular La protein as if this antigen was foreign.,function:La protein plays a role in the transcription of RNA polymerase III. It is most probably a transcription termination factor. Binds to the 3' termini of virtually all nascent polymerase III transcripts. It is associated with precursor forms of RNA polymerase III transcripts including tRNA and 4.5S, 5S, 7S, and 7-2 RNAs.,PTM:Phosphorylated. The phosphorylation sites are at the C-terminal part of the protein.,PTM:The N-terminus is blocked.,similarity:Contains 1 HTH La-type RNA-binding domain.,similarity:Contains 1 RRM (RNA recognition motif) domain.,subunit:Interacts with DDX15. May interact with RUFY1.,

Research Area

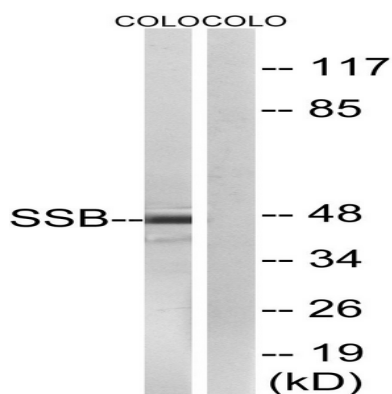
Systemic lupus erythematosus;

Image Data

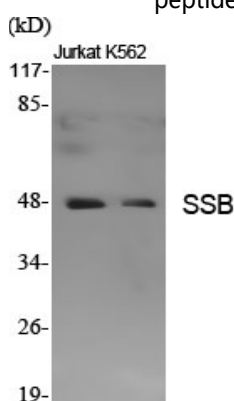


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using SSB Antibody. The picture on the right is blocked with the synthesized peptide.

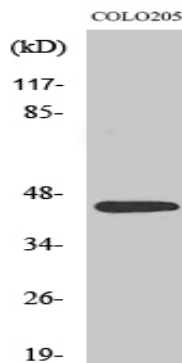
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Western blot analysis of lysates from COLO cells, using SSB Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using SSB Polyclonal Antibody



Western Blot analysis of COLO205 cells using SSB Polyclonal Antibody

Note

For research use only.