

KD-Validated Anti-SSB Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2073

Specification

KD-Validated Anti-SSB Mouse Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P05455
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Calculated MW	Predicted, 47 kDa, observed, 47 kDa kDa
Gene Name	SSB
Aliases	SSB; Small RNA Binding Exonuclease Protection Factor La; Lupus La Protein; La Autoantigen; La/SSB; LARP3; La; La Ribonucleoprotein Domain Family, Member 3; Sjogren Syndrome Type B Antigen; Sjogren Syndrome Antigen B; SS-B; Sjogren Syndrome Antigen B (Autoantigen La); La Ribonucleoprotein; Lupus La Antigen; SS-B/La Protein; Autoantigen La Recombinant protein of human SSB
Immunogen	

KD-Validated Anti-SSB Mouse Monoclonal Antibody - Additional Information

Gene ID	6741
Other Names	Lupus La protein, La autoantigen, La ribonucleoprotein, Sjogren syndrome type B antigen, SS-B, SSB

KD-Validated Anti-SSB Mouse Monoclonal Antibody - 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](http://www.uniprot.org/citations/2470590), PubMed:[3192525](http://www.uniprot.org/citations/3192525)). In case of Coxsackievirus B3 infection, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES- mediated translation (PubMed:[12384597](http://www.uniprot.org/citations/12384597)).

Cellular Location

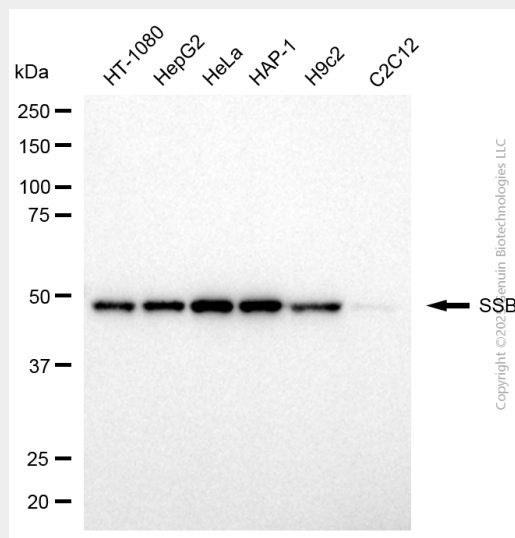
Nucleus.

KD-Validated Anti-SSB Mouse Monoclonal Antibody - Protocols

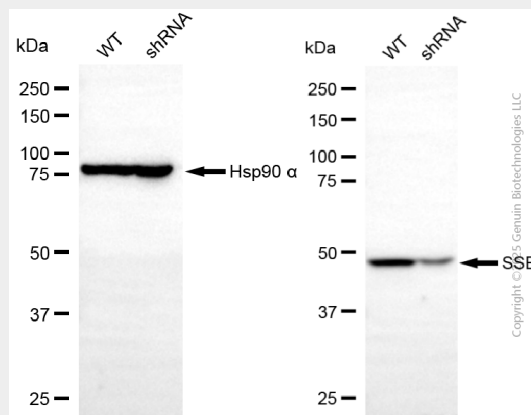
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

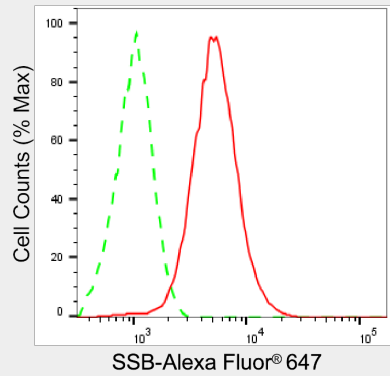
KD-Validated Anti-SSB Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-SSB antibody (Cat#AGI2073). Total cell lysates (30 μ g for H9c2 and C2C12, 10 μ g for others) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SSB antibody (Cat#AGI2073, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.

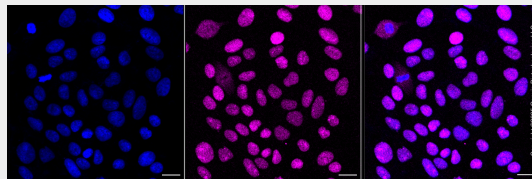


Western blotting analysis using anti-SSB antibody (Cat#AGI2073). SSB expression in wild-type (WT) and SSB shRNA knockdown (KD) HT-1080 cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SSB antibody (Cat#AGI2073, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Flow cytometric analysis of SSB expression in HepG2 cells using anti-SSB antibody (Cat#AGI2073, 1:2,000). Green, isotype control; red, SSB.



Immunocytochemical staining of HepG2 cells with anti-SSB associated protein antibody (Cat#AGI2073, 1:1,000). Nuclei were stained blue with DAPI; SSB associated protein was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.