

Datasheet for ABIN968242
anti-SSB antibody (AA 179-289)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	50 µg
Target:	SSB
Binding Specificity:	AA 179-289
Reactivity:	Human, Rat, Dog, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SSB antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human La Protein aa. 179-289
Clone:	44-La Protein
Isotype:	IgG1
Cross-Reactivity:	Human, Dog (Canine), Rabbit, Rat (Rattus)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	SSB
Alternative Name:	La Protein (SSB Products)
Background:	<p>La was first found to bind autoantibodies from individuals with Sjogren's syndrome and systemic lupus erythematosus (SLE). La is a transcription factor for RNA polymerase III (Pol III). It participates in the termination of Pol III-mediated transcription and the recycling of the transcriptional machinery. La associates with the 3' oligo U portion of transcripts generated by Pol III. In some cases, this association protects the message from 3' processing. The association of La and mRNA is mediated by the presence of an N-terminal ribonucleoprotein (RNP) consensus sequence in La. The La protein also binds several small RNAs, such as 7S RNA, 5S RNA, and tRNA, and is thought to be involved in their biogenesis. It is known that histone mRNA is stabilized throughout S Phase and is degraded only at the end of S phase. La protein participates in the stabilization of histone mRNA which results in increased production of histone protein. These data suggest that a major function of La is to protect vital nascent transcripts from premature degradation.</p>
Molecular Weight:	47 kDa

Application Details

Comment:	Related Products: ABIN968551, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store undiluted at -20°C.

Publications

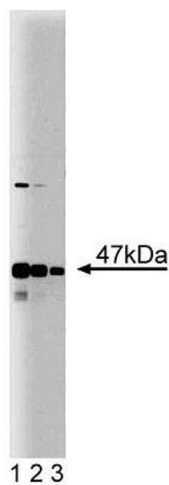
Product cited in:

Goodier, Fan, Maraia: "A carboxy-terminal basic region controls RNA polymerase III transcription factor activity of human La protein." in: **Molecular and cellular biology**, Vol. 17, Issue 10, pp. 5823-32, (1997) ([PubMed](#)).

McLaren, Caruccio, Ross: "Human La protein: a stabilizer of histone mRNA." in: **Molecular and cellular biology**, Vol. 17, Issue 6, pp. 3028-36, (1997) ([PubMed](#)).

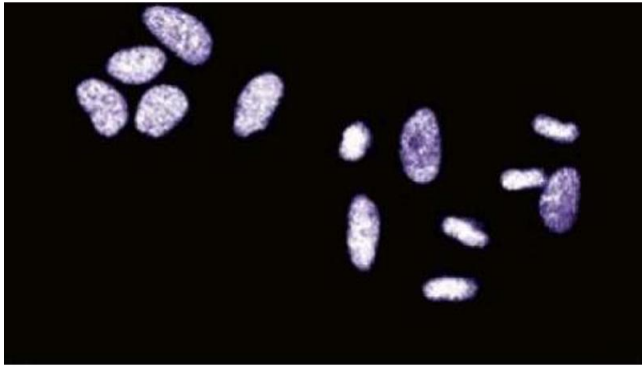
Chambers, Kenan, Martin, Keene: "Genomic structure and amino acid sequence domains of the human La autoantigen." in: **The Journal of biological chemistry**, Vol. 263, Issue 34, pp. 18043-51, (1989) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of La Protein on HCT-8 lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of anti-La Protein antibody.



Immunofluorescence

Image 2. Immunofluorescent staining of HeLa cells.