OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA500436M

SSB Mouse Monoclonal Antibody [Clone ID: OTI3F11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F11
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:150, IF 1:100, IP 2ug/500ul
Reactivity:	Human, Dog, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human SSB expression vector
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46.8 kDa
Gene Name:	small RNA binding exonuclease protection factor La
Database Link:	NP_003133 Entrez Gene 478787 DogEntrez Gene 710344 MonkeyEntrez Gene 6741 Human P05455
Background:	La is involved in diverse aspects of RNA metabolism, including binding and protecting 3-prime UUU(OH) elements of newly RNA polymerase III (see MIM 606007)-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. La protein was originally defined by its reactivity with autoantibodies from patients with Sjogren syndrome (MIM 270150) and systemic lupus erythematosus (SLE; MIM 152700) (Teplova et al., 2006 [PubMed 16387655]).

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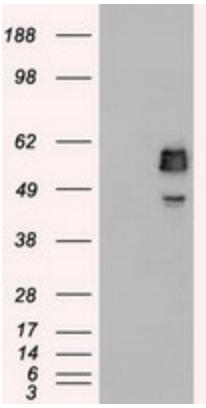
Synonyms: La; La/SSB; LARP3

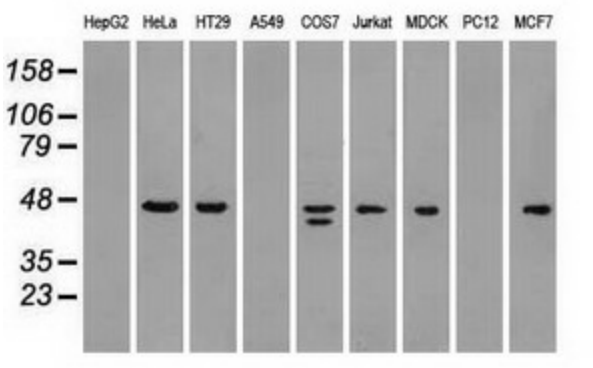
Protein Families: Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Systemic lupus erythematosus

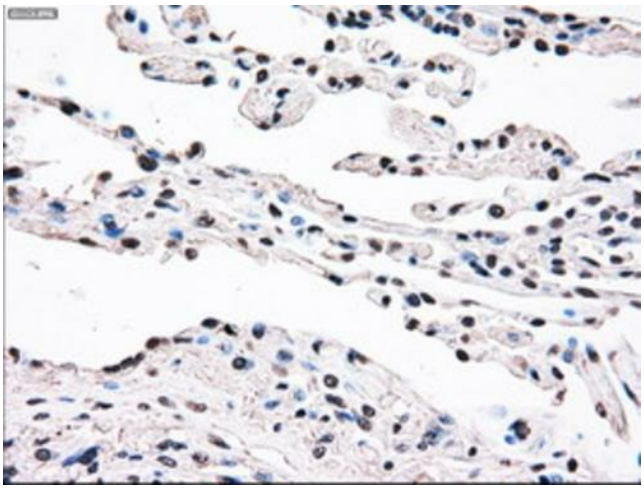
Product images:



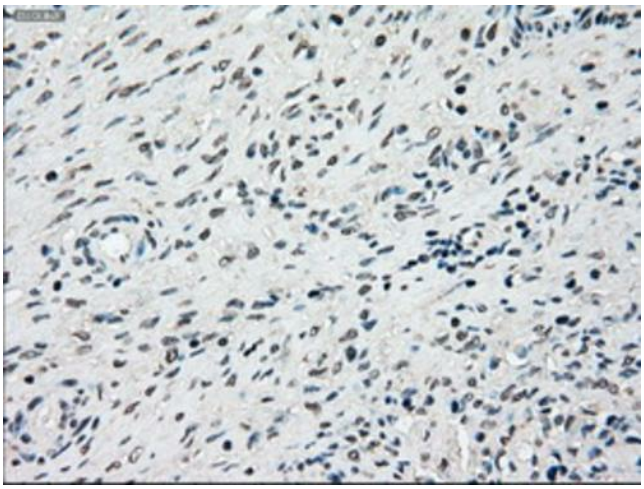
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SSB ([RC205013], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SSB. Positive lysates [LY401091] (100ug) and [LC401091] (20ug) can be purchased separately from OriGene.



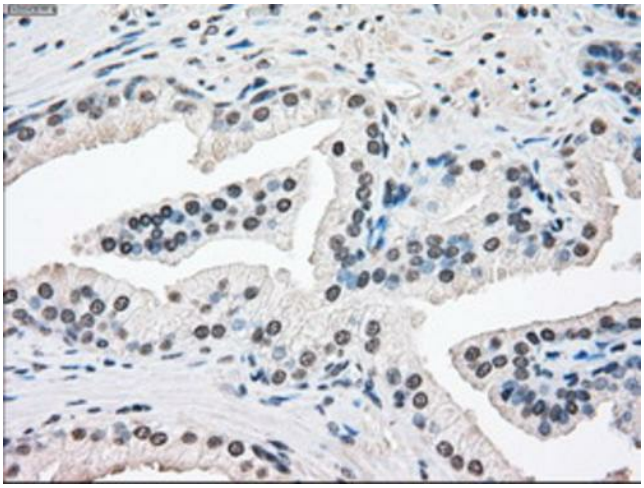
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SSB monoclonal antibody.



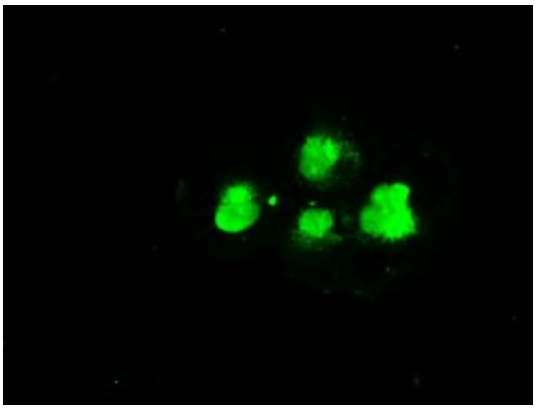
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



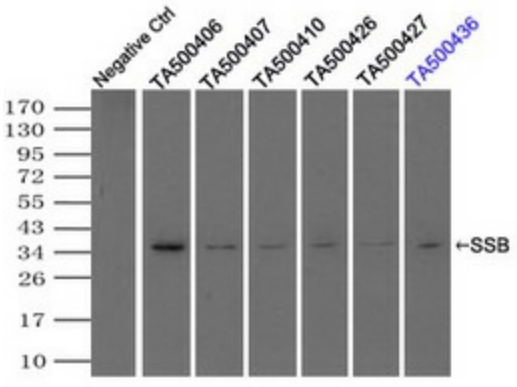
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-SSB mouse monoclonal antibody ([TA500436]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SSB ([RC205013]).



Immunoprecipitation (IP) of SSB by using TrueMab monoclonal anti-SSB antibodies (Negative control: IP without adding anti-SSB antibody.). For each experiment, 500ul of DDK tagged SSB overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-SSB antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.