

## Product datasheet for **TA500410**

### SSB Mouse Monoclonal Antibody [Clone ID: OTI3H9]

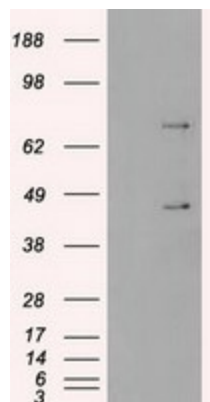
#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone Name:             | OTI3H9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applications:           | FC, IF, IHC, IP, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Recommended Dilution:   | WB 1:1000~2000, IHC 1:150, IF 1:100, FLOW 1:100, IP 2ug/500ul                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity:             | Human, Dog                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Host:                   | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype:                | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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:          | 1.2 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:          | <a href="#">NP_003133</a><br><a href="#">Entrez Gene 478787 Dog</a> <a href="#">Entrez Gene 6741 Human</a><br><a href="#">P05455</a>                                                                                                                                                                                                                                                                                                                                                    |
| Background:             | La is involved in diverse aspects of RNA metabolism, including binding and protecting 3-prime UUU(H) 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 |

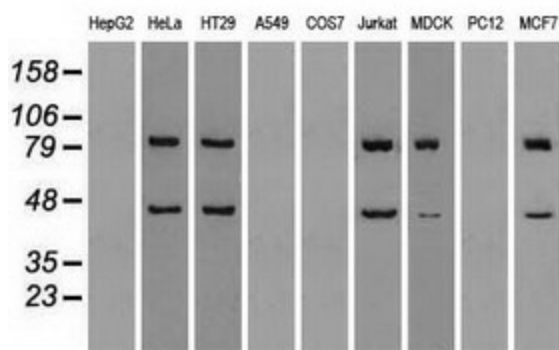

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**Synonyms:** La; La/SSB; LARP3  
**Protein Families:** Stem cell - Pluripotency, Transcription Factors  
**Protein Pathways:** Systemic lupus erythematosus

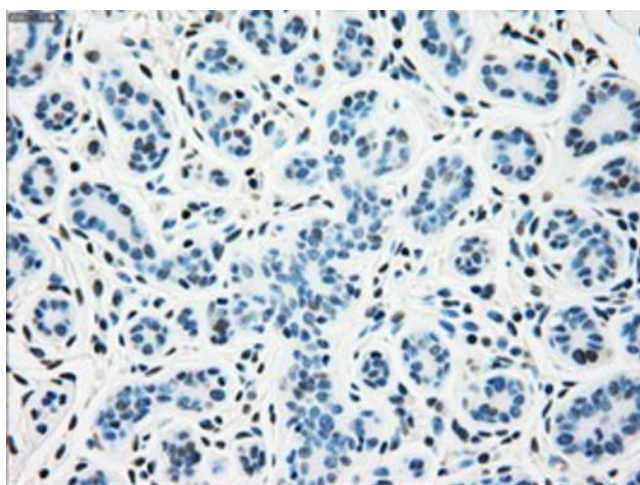
### Product images:



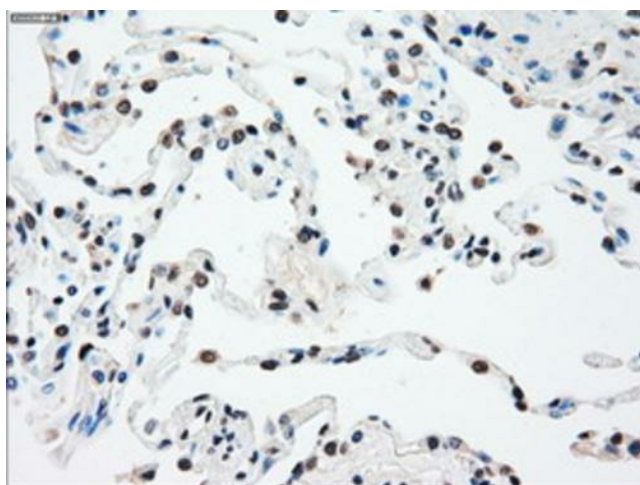
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SSB ([RC205013], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SSB. Positive lysates [LY401091] (100ug) and [LC401091]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



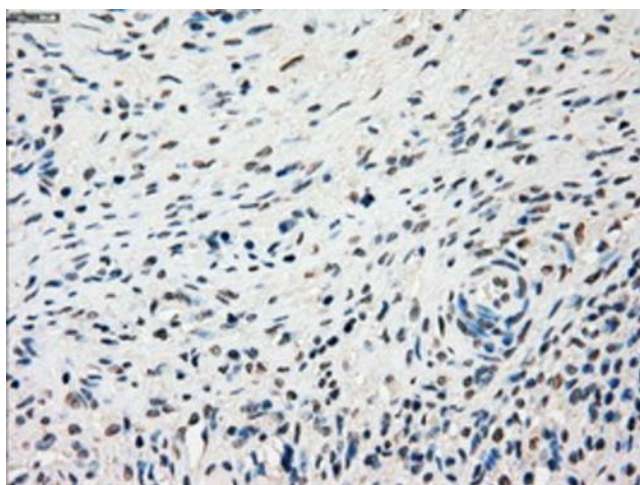
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SSB monoclonal antibody.



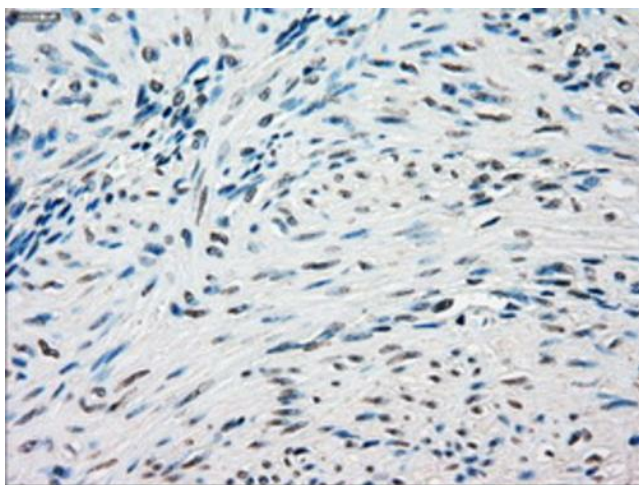
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



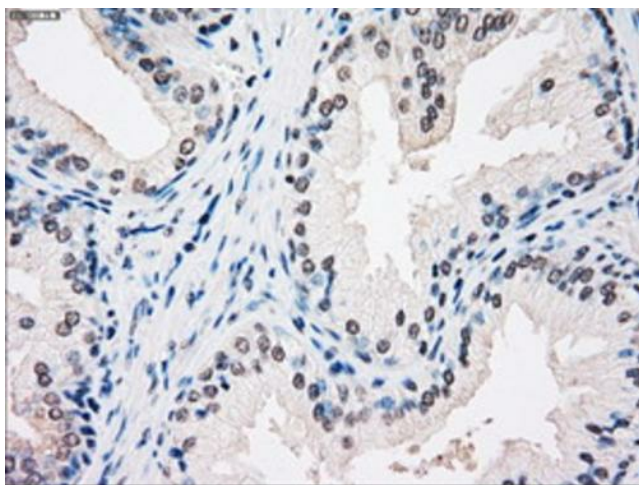
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



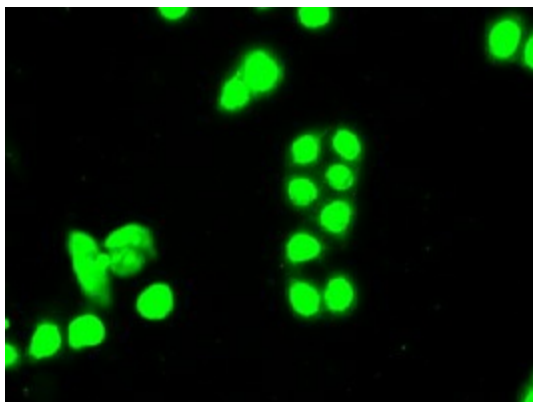
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



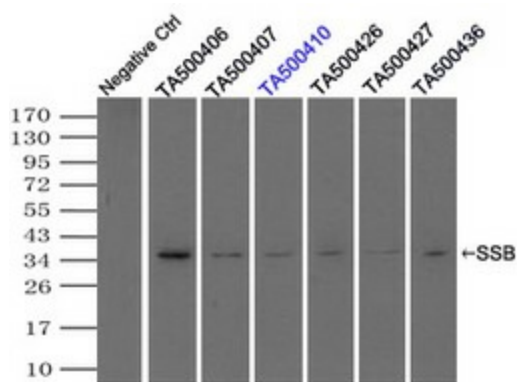
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



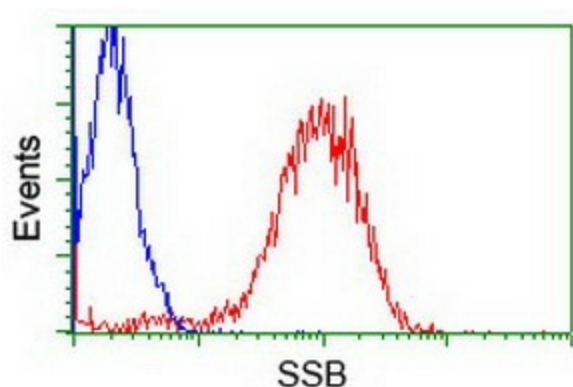
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-SSB mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of HT29 cells using anti-SSB mouse monoclonal antibody (TA500410).



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.



Flow cytometric Analysis of Jurkat cells, using anti-SSB antibody (TA500410), (Red), compared to a nonspecific negative control antibody, (Blue).