

SSB Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SSB. Catalog # AT4042a

Product Information

Application WB, IHC, E **Primary Accession** P05455 Other Accession BC001289 Reactivity Human Host mouse Clonality monoclonal Isotype IgG1 kappa **Clone Names** 1D6-H5 Calculated MW 46837

Additional Information

Gene ID 6741

Other Names Lupus La protein, La autoantigen, La ribonucleoprotein, Sjoegren syndrome

type B antigen, SS-B, SSB

Target/Specificity SSB (AAH01289, 1 a.a. ~ 408 a.a) full-length recombinant protein with GST tag.

MW of the GST tag alone is 26 KDa.

Dilution WB~~1:500~1000 IHC~~1:100~500 E~~N/A

Format Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions SSB Antibody (monoclonal) (M01) is for research use only and not for use in

diagnostic or therapeutic procedures.

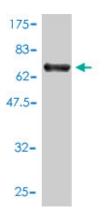
Background

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]).

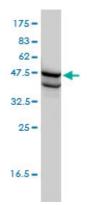
References

1.Phosphorylation of human La protein at Ser366 by casein kinase II contributes to hepatitis B virus replication and expression in vitro. Tang J, Zhang ZH, Huang M, Heise T, Zhang J, Liu GL. Journal of Viral Hepatitis, 2012 doi:10.1111/j.1365-2893.2012.01636.x2. Akt phosphorylation of La regulates specific mRNA translation in glial progenitors. Brenet F, Socci ND, Sonenberg N, Holland EC. Oncogene. 2009 Jan 8;28(1):128-39. Epub 2008 Oct 6.

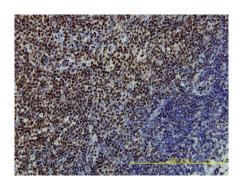
Images



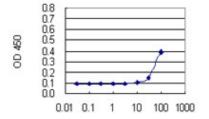
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (70.62 KDa) .



SSB monoclonal antibody (M01), clone 1D6-H5 Western Blot analysis of SSB expression in HL-60 ((Cat # AT4042a)



Immunoperoxidase of monoclonal antibody to SSB on formalin-fixed paraffin-embedded human tonsil tissue. [antibody concentration 5 ug/ml]



Detection limit for recombinant GST tagged SSB is 10 ng/ml as a capture antibody.

Recombinant Protein Concentration (ng/ml)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.