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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.

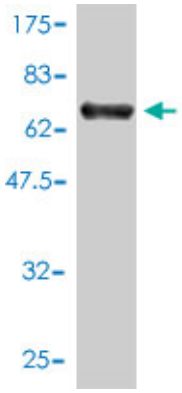
Background

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]).

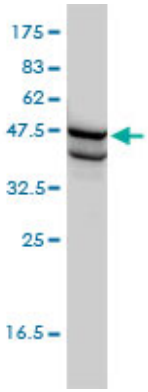
References

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.

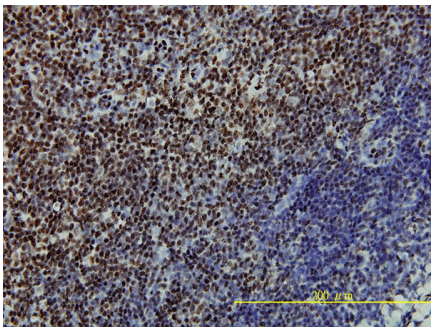
Images



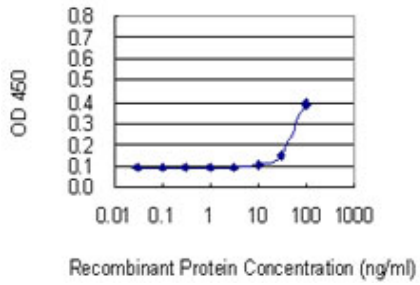
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (70.62 KDa) .



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.