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POLR2I Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant POLR2I.
Catalog # AT3377a

Product Information

Application	WB, E
Primary Accession	P36954
Other Accession	BC017112
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2B3
Calculated MW	14523

Additional Information

Gene ID	5438
Other Names	DNA-directed RNA polymerase II subunit RPB9, RNA polymerase II subunit B9, DNA-directed RNA polymerase II subunit I, RNA polymerase II 145 kDa subunit, RPB145, POLR2I
Target/Specificity	POLR2I (AAH17112, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	POLR2I Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

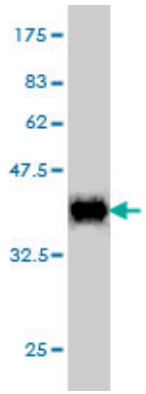
This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit, in combination with two other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. The product of this gene has two zinc finger motifs with conserved cysteines and the subunit does possess zinc binding activity.

References

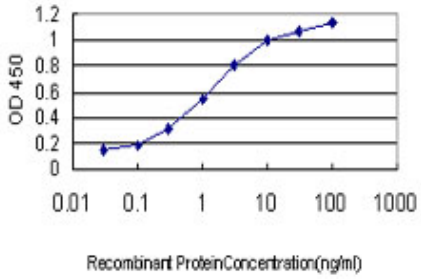
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID

19615732.Will diverse Tat interactions lead to novel antiretroviral drug targets? Harrich D, et al. Curr Drug Targets, 2006 Dec. PMID 17168834.The regulation of HIV-1 transcription: molecular targets for chemotherapeutic intervention. Stevens M, et al. Med Res Rev, 2006 Sep. PMID 16838299.Inhibition of HIV-1 virus replication using small soluble Tat peptides. Agbottah E, et al. Virology, 2006 Feb 20. PMID 16289656.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged POLR2I is approximately 0.03ng/ml as a capture antibody.

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