

## YY1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant YY1.

Catalog # AT4562a

### Product Information

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<b>Application</b>	WB, IHC, IF, E
<b>Primary Accession</b>	<a href="#">P25490</a>
<b>Other Accession</b>	<a href="#">NM_003403</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	2C4
<b>Calculated MW</b>	44713

### Additional Information

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<b>Gene ID</b>	7528
<b>Other Names</b>	Transcriptional repressor protein YY1, Delta transcription factor, INO80 complex subunit S, NF-E1, Yin and yang 1, YY-1, YY1, INO80S
<b>Target/Specificity</b>	YY1 (NP_003394, 221 a.a. ~ 320 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	YY1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1.

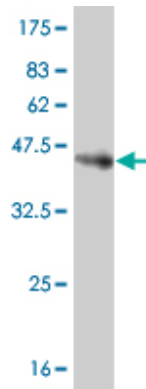
### References

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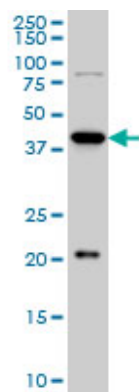
CXCR4/YY1 inhibition impairs VEGF network and angiogenesis during malignancy. de Nigris F, et al. Proc Natl Acad Sci U S A, 2010 Aug 10. PMID 20660740. Transcription factor YY1 interacts with retroviral integrases and

facilitates integration of moloney murine leukemia virus cDNA into the host chromosomes. Inayoshi Y, et al. J Virol, 2010 Aug. PMID 20519390.Repressors NFI and NFY participate in organ-specific regulation of von Willebrand factor promoter activity in transgenic mice. Nassiri M, et al. Arterioscler Thromb Vasc Biol, 2010 Jul. PMID 20431063.Identification of Yin Yang 1-interacting partners at -1026C/A in the human iNOS promoter. Li W, et al. Arch Biochem Biophys, 2010 Jun 15. PMID 20430007.Identification of a Smad4/YY1-recognized and BMP2-responsive transcriptional regulatory module in the promoter of mouse GABA transporter subtype I (Gat1) gene. Yao M, et al. J Neurosci, 2010 Mar 17. PMID 20237276.

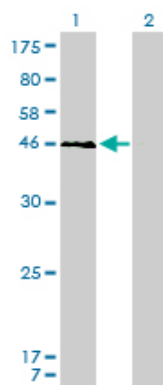
## Images



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

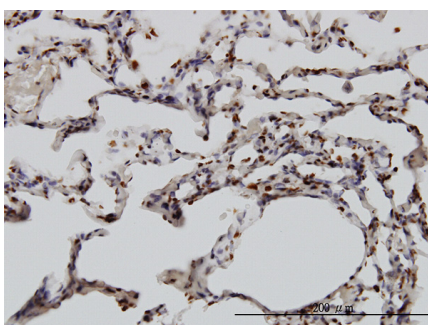


YY1 monoclonal antibody (M01), clone 2C4 Western Blot analysis of YY1 expression in HeLa S3 NE ( (Cat # AT4562a )

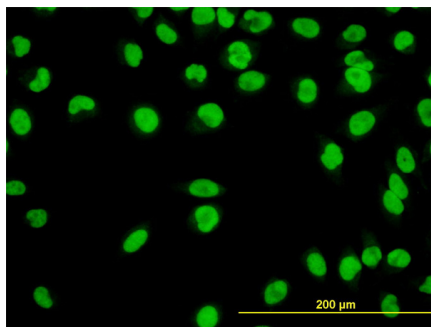


Western Blot analysis of YY1 expression in transfected 293T cell line by YY1 monoclonal antibody (M01), clone 2C4.

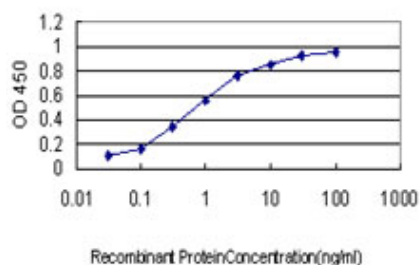
Lane 1: YY1 transfected lysate(44.7 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to YY1 on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to YY1 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged YY1 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'.