10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

YY1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant YY1.
Catalog # AT4565a

Specification

YY1 Antibody (monoclonal) (M04) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	P25490
Other Accession	NM_003403
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**44713**

YY1 Antibody (monoclonal) (M04) - Additional Information

Gene ID 7528

Other Names
Transcriptional repressor protein YY1, Delta transcription factor, INO80 complex subunit S, NF-E1, Yin and yang 1, YY-1, YY1, INO80S

Target/Specificity
YY1 (NP_003394, 221 a.a. ~ 320 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
YY1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

YY1 Antibody (monoclonal) (M04) - Protocols

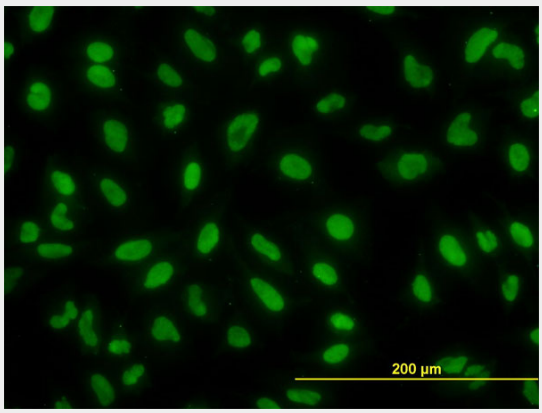
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

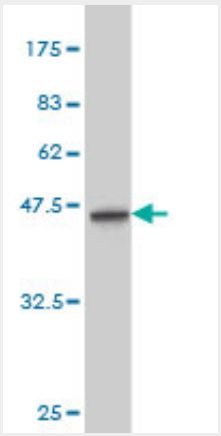
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

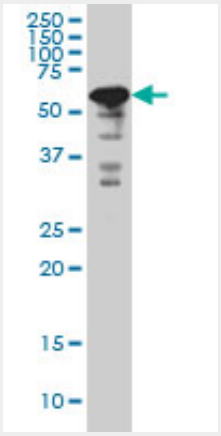
YY1 Antibody (monoclonal) (M04) - Images



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



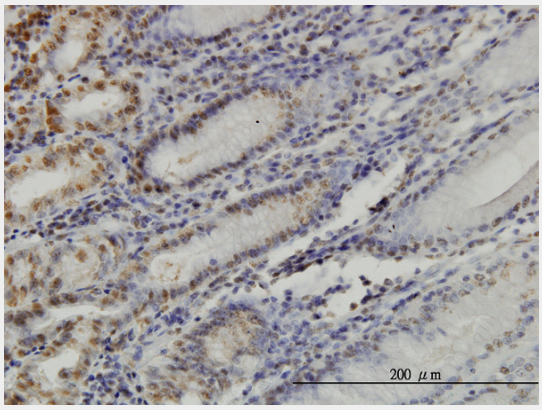
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



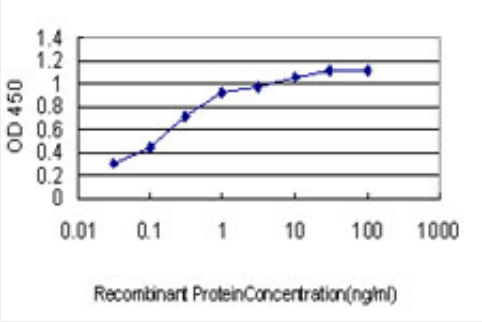
YY1 monoclonal antibody (M04), clone 2C5 Western Blot analysis of YY1 expression in Hela S3 NE

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

((Cat # AT4565a)



Immunoperoxidase of monoclonal antibody to YY1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 7 ug/ml]



Detection limit for recombinant GST tagged YY1 is approximately 0.03ng/ml as a capture antibody.

YY1 Antibody (monoclonal) (M04) - Background

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.

YY1 Antibody (monoclonal) (M04) - References

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.