

## YY1 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone YY1/5436]

Catalog No	Format	Size
7528-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7528-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7528-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

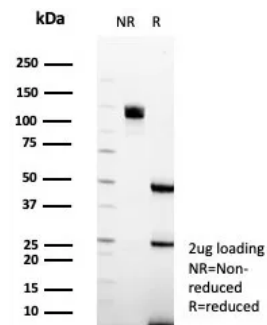
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

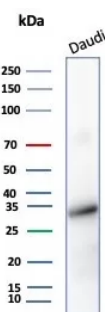
<b>Clone</b>	YY1/5436
<b>Gene Name</b>	YY1
<b>Immunogen</b>	His-tagged YY1 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2 / Kappa
<b>Mol. Weight of Antigen</b>	40/68kDa
<b>Cellular Localization</b>	Nucleus matrix. Associated with the nuclear matrix.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human kidney tonsil or cervix carcinoma tissues

\*Optimal dilution for a specific application should be determined.

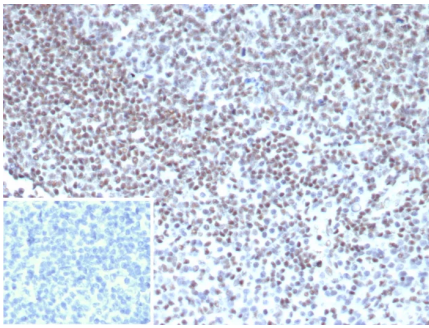
### Product Images for YY1 (Transcription Factor) Antibody



SDS-PAGE Analysis of Purified YY1 Mouse Monoclonal Antibody (YY1/5436). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Daudi cell lysate using YY1 Mouse Monoclonal (YY1/5436).



Formalin-fixed, paraffin-embedded human tonsil stained with YY1 Mouse Monoclonal (YY1/5436). Inset: PBS instead of primary antibody; secondary only negative control.

### Specificity & Comments

The YY1 transcription factor, also known as NF-E1 (human) and Delta or UCRBP (mouse) is of interest due to its diverse effects on a wide variety of target genes. YY1 is broadly expressed in a wide range of cell types and contains four C-terminal zinc finger motifs of the Cys-Cys-His-His type and an unusual set of structural motifs at its N-terminal end. It binds to downstream elements in several vertebrate ribosomal protein genes, where it apparently acts positively to stimulate transcription and can act either negatively or positively in the context of the immunoglobulin k 3' enhancer and immunoglobulin heavy-chain ?E1 site as well as the P5 promoter of the adenoassociated virus. It thus appears that YY1 is a bifunctional protein, capable of functioning as an activator in some transcriptional control elements and a repressor in others.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Apoptosis, Autophagy, Cardiovascular, Developmental Biology, Nuclear Marker, Signal Transduction, Transcription Factors