

For Research Use Only

# YY1 Monoclonal antibody, PBS Only



Catalog Number: 66281-1-PBS

Featured Product

## Basic Information

<b>Catalog Number:</b> 66281-1-PBS	<b>GenBank Accession Number:</b> BC037308	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 7528	<b>CloneNo.:</b> 2E11C5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P25490	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> YY1 transcription factor	
<b>Immunogen Catalog Number:</b> AG17732	<b>Calculated MW:</b> 414 aa, 45 kDa	
	<b>Observed MW:</b> 65-70 kDa	

## Applications

**Tested Applications:**  
WB,IP,Indirect ELISA,IHC,IF

**Species Specificity:**  
human, mouse, rat, monkey

## Background Information

YY1, also named as DELTA, INO80S and NF-E1, contains four C2H2-type zinc fingers and belongs to the YY transcription factor family. YY1 is a multifunctional transcription factor that exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site. 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 YY1. The open reading frame of the human YY1 cDNA encodes a protein of 414 amino acids with a predicted molecular weight of 44 kDa. However, YY1 migrates on SDS gels as a 65-68 kDa protein, probably due to the structure of the protein. It is a ubiquitously expressed transcription factor with fundamental roles in embryogenesis, differentiation, replication and proliferation.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

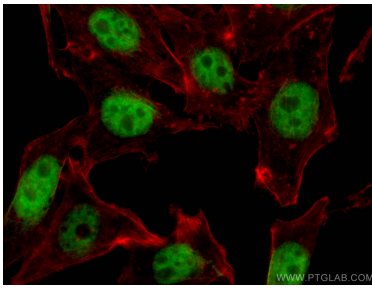
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

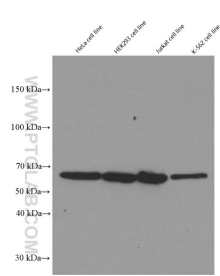
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

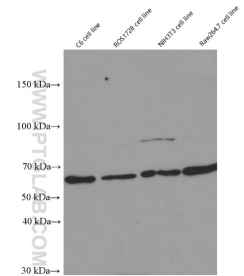
## Selected Validation Data



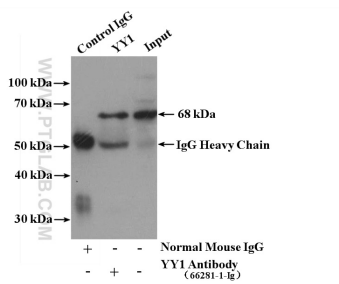
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66281-1-Ig (YY1 antibody), at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



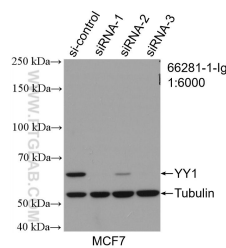
Western blot of YY1 in various human cell lines with 66281-1-Ig at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



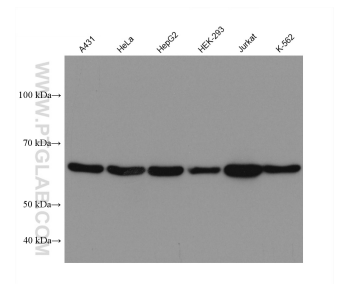
Western blot of YY1 in rat (C6 and ROS1728) and mouse (NIH3T3 and Raw264.7) cell lines with 66281-1-Ig at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



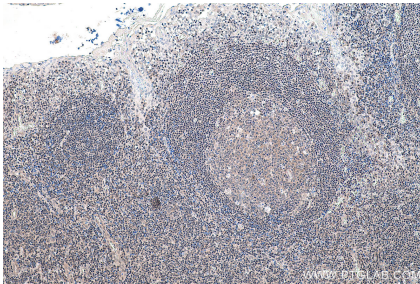
IP result of anti-YY1 (IP:66281-1-Ig, 5ug; Detection:66281-1-Ig 1:1000) with NIH/3T3 cells lysate 4000ug. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



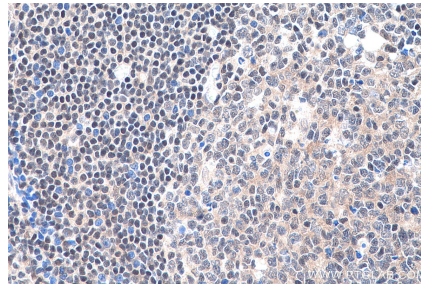
WB result of YY1 antibody (66281-1-Ig: 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YY1 transfected MCF-7 cells. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



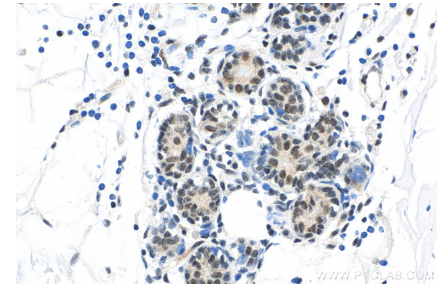
Various lysates were subjected to SDS PAGE followed by western blot with 66281-1-Ig (YY1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



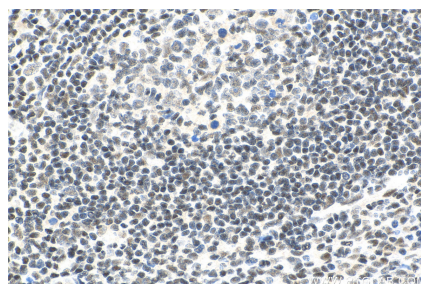
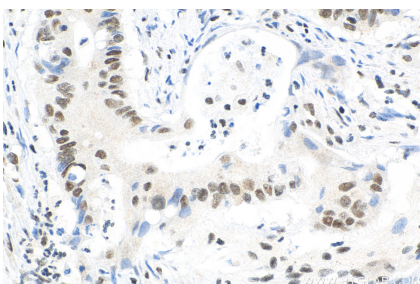
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66281-1-Ig (YY1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66281-1-Ig (YY1 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66281-1-Ig (YY1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66281-1-Ig (YY1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66281-1-Ig (YY1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.