

For Research Use Only

YY1 Monoclonal antibody, PBS Only



Catalog Number: 66281-1-PBS

Featured Product

Basic Information

Catalog Number:

66281-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG17732

GenBank Accession Number:

BC037308

GeneID (NCBI):

7528

UNIPROT ID:

P25490

Full Name:

YY1 transcription factor

Calculated MW:

414 aa, 45 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein A purification

CloneNo.:

2E11C5

Applications

Tested Applications:

WB, IP, IF, IHC, Indirect ELISA

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

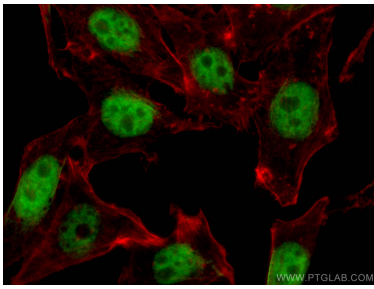
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

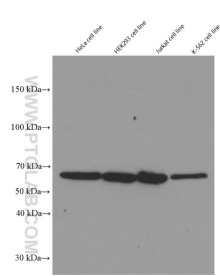
E: proteintech@ptglab.com
W: ptglab.com

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

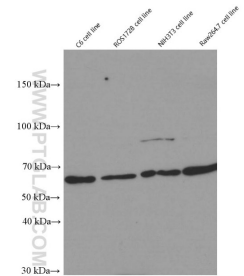
Selected Validation Data



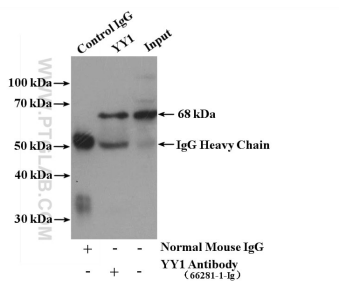
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66281-1-Ig (YY1 antibody), at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



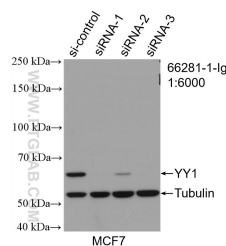
Western blot of YY1 in various human cell lines with 66281-1-Ig at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



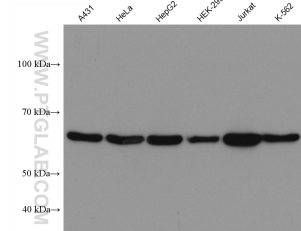
Western blot of YY1 in rat (C6 and ROS1728) and mouse (NIH3T3 and Raw264.7) cell lines with 66281-1-Ig at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



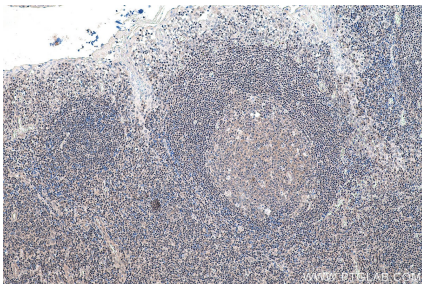
IP result of anti-YY1 (IP:66281-1-Ig, 5ug; Detection:66281-1-Ig 1:1000) with NIH/3T3 cells lysate 4000ug. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



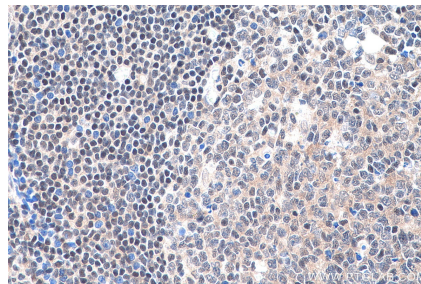
WB result of YY1 antibody (66281-1-Ig: 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YY1 transfected MCF-7 cells. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



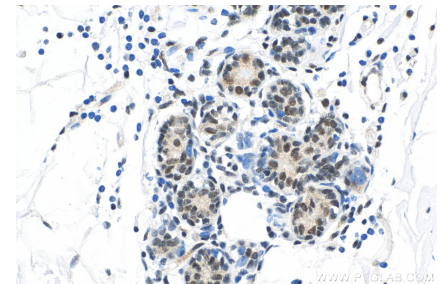
Various lysates were subjected to SDS PAGE followed by western blot with 66281-1-Ig (YY1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.



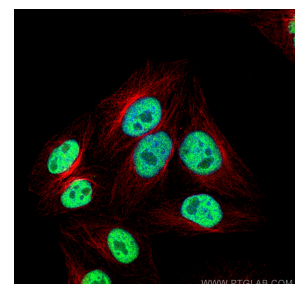
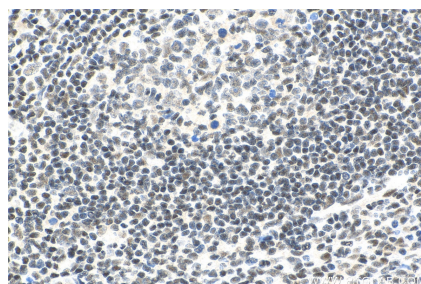
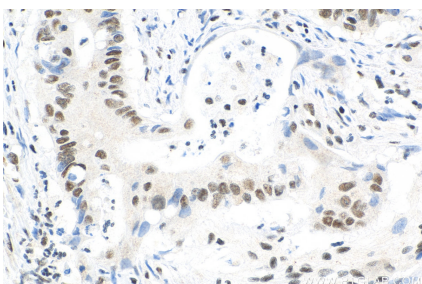
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66281-1-Ig (YY1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66281-1-PBS in a different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

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using YY1 antibody (66281-1-Ig, Clone: 2E11C5) at dilution of 1:1800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), Alpha Tubulin antibody (80762-1-RR, Clone: 1G7, red). This data was developed using the same antibody clone with 66281-1-PBS in a different storage buffer formulation.