

## YY1 Polyclonal antibody

Catalog Number: 22156-1-AP

Featured Product

31 Publications

## Basic Information

## Catalog Number:

22156-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG17792

## 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:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

## Cited Applications:

ChIP, CoIP, IF, IHC, IP, WB

## Species Specificity:

human, mouse

## Cited Species:

human, rat, mouse, pig, bovine

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB: Jurkat cells, HeLa cells, A549 cells, HEK-293 cells

IP: HeLa cells,

IHC: human breast cancer tissue,

IF: HepG2 cells,

## 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. This is a rabbit polyclonal antibody raised against full length YY1 of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Trevor Teafatiller	36096242	Life Sci	WB
Qing-Dong Wang	36285444	Pathol Int	WB, CoIP
Huaxing Zhao	36296422	Molecules	WB, IF

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

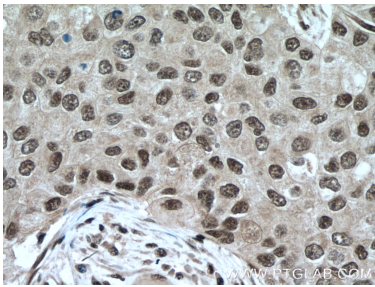
For technical support and original validation data for this product please contact:

T: 4006900926

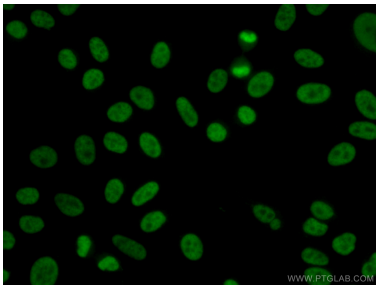
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

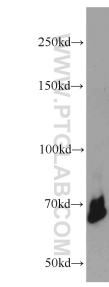
Selected Validation Data



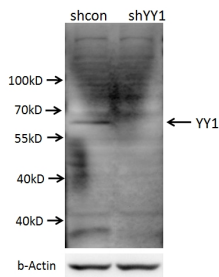
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22156-1-AP (YY1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



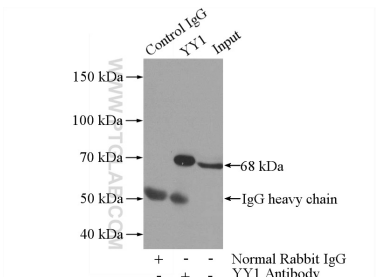
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 22156-1-AP (YY1 antibody) at dilution of 1:100 and CoralLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



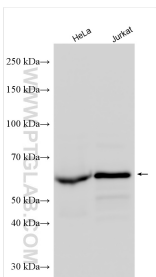
Jurkat cells were subjected to SDS PAGE followed by western blot with 22156-1-AP (YY1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



A549 cells (shcontrol and shRNA of YY1) were subjected to SDS PAGE followed by western blot with 22156-1-AP (YY1 antibody) at dilution of 1:1000.



IP result of anti-YY1 (IP:22156-1-AP, 5ug; Detection:22156-1-AP 1:700) with HeLa cells lysate 880ug.



Various lysates were subjected to SDS PAGE followed by western blot with 22156-1-AP (YY1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.