

# YY1 Rabbit mAb

Catalog No.: A19569

Recombinant

4 Publications

## Basic Information

### Observed MW

60kDa

### Calculated MW

45kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA,ChIP

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0048

## 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.

## Recommended Dilutions

WB 1:1000 - 1:6000

IF/ICC 1:50 - 1:400

Please optimize the concentration based on your specific assay requirements.

ChIP 5µg antibody for 10µg-15µg of Chromatin.

ELISA Recommended starting concentration is 1 µg/mL

## Immunogen Information

### Gene ID

7528

### Swiss Prot

P25490

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

DELTA; NF-E1; UCRBP; GADEV5; INO80S; YIN-YANG-1; YY1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

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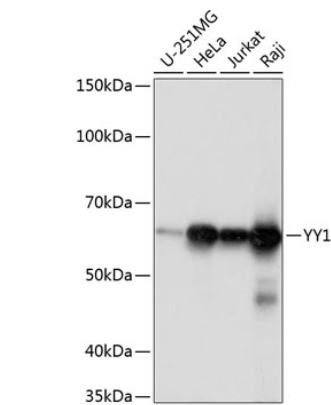
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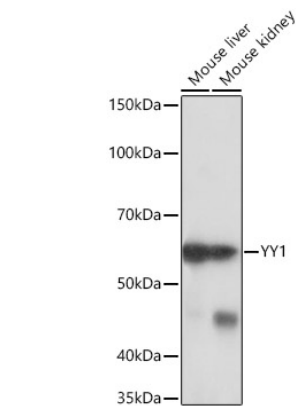
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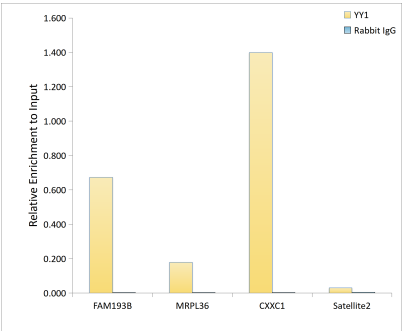
Validation Data



Western blot analysis of various lysates using YY1 Rabbit mAb (A19569) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



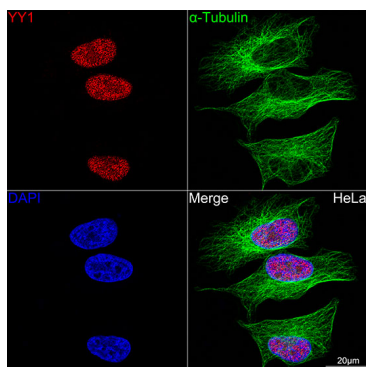
Western blot analysis of various lysates using YY1 Rabbit mAb (A19569) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using YY1 antibody (A19569) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

## Validation Data

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Confocal imaging of HeLa cells using YY1 Rabbit mAb (A19569,dilution 1:50)(Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.