YY1 Rabbit mAb

Catalog No.: A19569

Recombinant | 9 Publications

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Basic Information

Observed MW
60 kDa

Calculated MW
45 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, ChIP, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
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 - 1:10000

IP
0.5 μg - 4 μg antibody for 400 μg - 600 μg extracts of whole cells

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

ELISA
Recommended starting concentration is 1 μg/mL.Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
7528

Swiss-Prot
P25490

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

Synonyms
DELTA; NF-E1; UCRBP; GADEVS; INO80S; YIN-YANG-1; YY1

Contact

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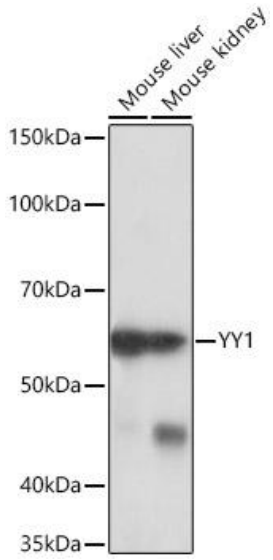
Product Information

Source	Isotype	Purity
Rabbit	IgG	Affinity purification

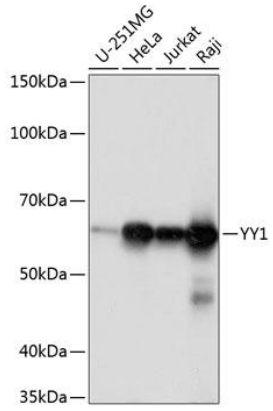
Storage

Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

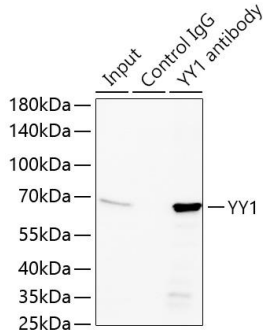
Validation Data



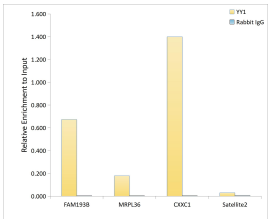
Western blot analysis of various lysates using YY1 Rabbit mAb (A19569) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure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



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.



Immunoprecipitation of YY1 from 500 µg extracts of HeLa cells was performed using 1 µg of YY1 Rabbit mAb (A19569). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using YY1 Rabbit mAb (A19569) at a dilution of 1:1000.



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.

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