GATA3 Rabbit mAb

Catalog No.: A19636 Recombinant 6 Publications



Basic Information

Observed MW

48kDa

Calculated MW

48kDa

Category

Primary antibody

Applications

WB,IP,ELISA,ChIP,ChIP-seq

Cross-Reactivity

Human, Mouse

CloneNo number

ARC0115

Background

This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia.

Recommended Dilutions

WB 1:1000 - 1:4000

0.5μg-4μg antibody for ΙP 200µg-400µg extracts of

whole cells

5µg antibody for **ChIP**

10μg-15μg of Chromatin

1:50 - 1:100 ChIP-seq

ELISA Recommended starting

> concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID Swiss Prot 2625 P23771

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

HDR; HDRS; GATA3

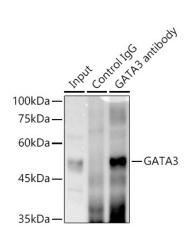
Product Information

Purification Source Isotype Rabbit IgG Affinity purification

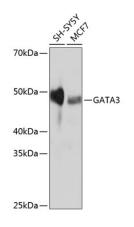
Storage

Store at -20°C. 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.



Immunoprecipitation analysis of 300 μ g extracts of Jurkat cells using 3 μ g GATA3 antibody (A19636). Western blot was performed from the immunoprecipitate using GATA3 antibody (A19636) at a dilution of 1:500.

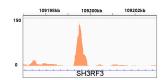


Western blot analysis of various lysates using GATA3 Rabbit mAb (A19636) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

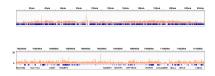
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

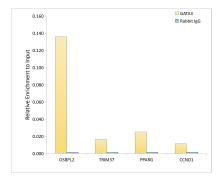


Chromatin immunoprecipitations were performed with cross-linked chromatin from 293T cells transfected with GATA3 and GATA3 (A19636). The ChIP sequencing results indicate the enrichment pattern of GATA3 in selected genomic region and representative gene loci (SH3RF3), as shown in figure.



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Validation Data



Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using GATA3 Rabbit mAb antibody (A19636) 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.