

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-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 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

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

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

ChIP-seq 1:50 - 1:100

Contact

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Immunogen Information

Gene ID

2625

Swiss Prot

P23771

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human GATA3 (P23771).

Synonyms

HDR; HDRS; GATA3

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

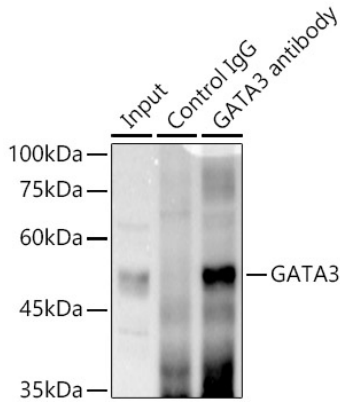
Store at -20°C. Avoid freeze / thaw cycles.

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

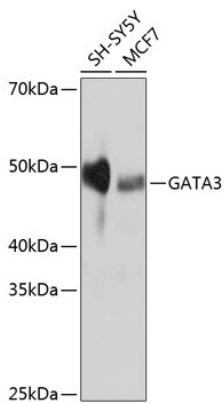


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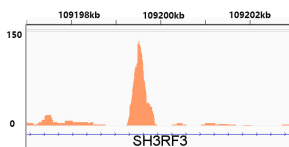
Validation Data



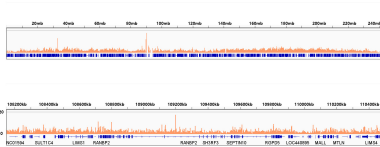
Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg GATA3 antibody (A19636). Western blot was performed from the immunoprecipitate using GATA3 antibody (A19636) at a dilution of 1:500.



Western blot analysis of various lysates using GATA3 Rabbit mAb (A19636) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit 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.

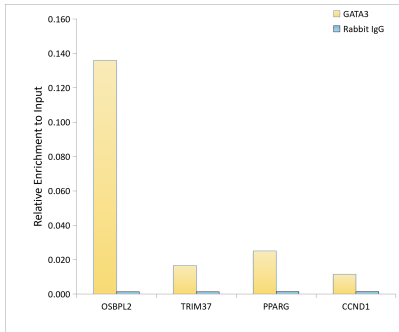


Chromatin immunoprecipitations were performed with cross-linked chromatin from 293T cells transfected with GATA3 and GATA3 (A19636). The ChIP sequencing results indicate the enrichment pattern of GATA3 in selected genomic region and representative gene loci (SH3RF3), as shown in figure.



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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.