

# GATA3 Rabbit mAb

Catalog No.: A19636

Recombinant

5 Publications

## Basic Information

### Observed MW

48kDa

### Calculated MW

48kDa

### Category

Primary antibody

### Applications

ELISA, WB, IP, 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

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

**ChIP-seq** 1:50 - 1:100

## 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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

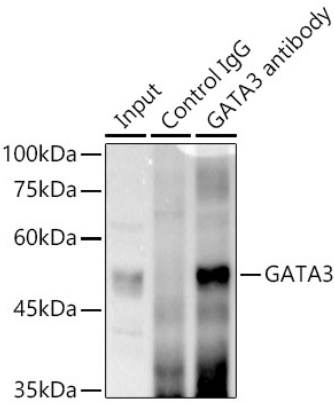
Affinity purification

### Storage

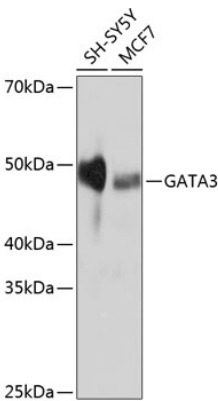
Store at -20°C. Avoid freeze / thaw cycles.

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

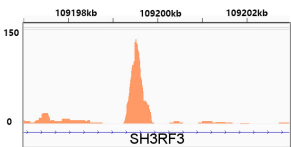
Validation Data



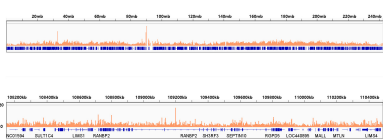
Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg GATA3 antibody (A19636). Western blot was performed from the immunoprecipitate using GATA3 antibody (A19636) at a dilution of 1:500.



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

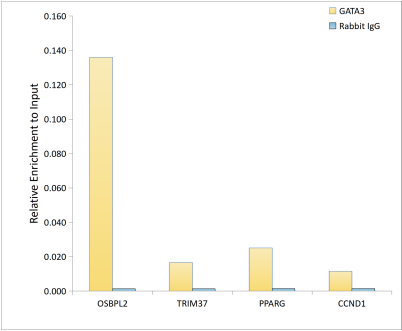


Chromatin immunoprecipitations were performed with cross-linked chromatin from 293T cells transfected with GATA3 and GATA3 (A19636). The ChIP sequencing results indicate the enrichment pattern of GATA3 in selected genomic region and representative gene loci (SH3RF3), as shown in figure.



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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.