

A19636

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GATA3 Rabbit mAb

Catalog No.: A19636

Recombinant

6 Publications

Basic Information

Observed MW

48kDa

Calculated MW

48kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IP,ChIP,ChIP-seq,ELISA

Cross-Reactivity

Human,Mouse

CloneNo number

ARC0115

Recommended Dilutions

WB 1:1000 - 1:4000

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

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

Contact



www.abclonal.com

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.

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

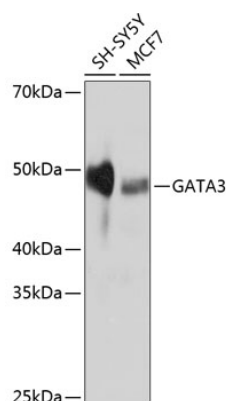
Purification
Affinity purification

Storage

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

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

Validation Data



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

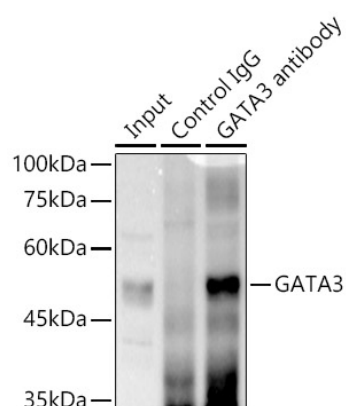
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

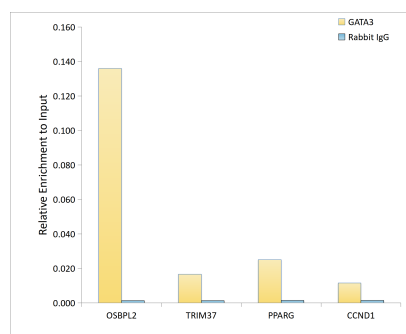
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

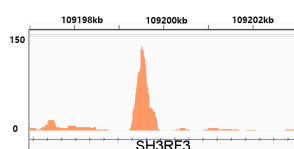
Exposure time: 10s.



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.

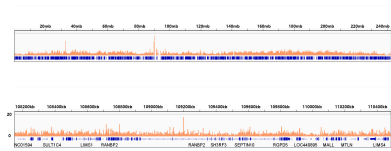


Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using GATA3 Rabbit mAb antibody (A19636) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



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.

Validation Data



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.