

GATA2 Rabbit mAb

Catalog No.: A29350 **Recombinant**

Basic Information

Observed MW

51 kDa

Calculated MW

49 kDa/51 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,ChIP,ELISA

Cross-Reactivity

Human

CloneNo number

ARC4046

Background

This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:50000 - 1:200000

IP 0.5 µg - 4 µg antibody for
900 µg - 1100 µg extracts of
whole cells

IF/ICC 1:200 - 1:1000

ChIP 2 µg antibody for 10 µg - 15
µg 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 ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

2624

Swiss Prot

P23769

Immunogen

This information is considered to be commercially sensitive.

Synonyms

DCML; IMD21; NFE1B; MONOMAC

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

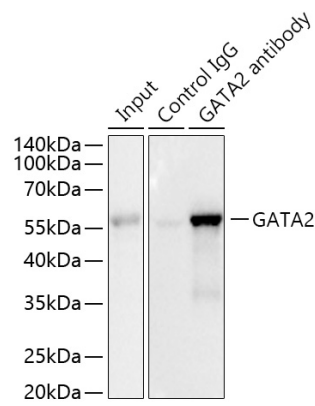
Contact

☎ | 400-999-6126

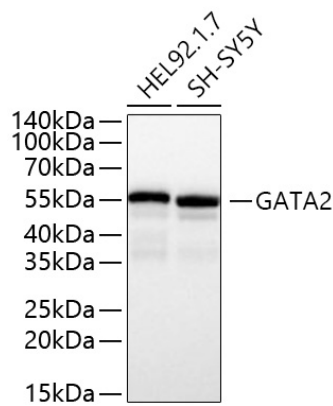
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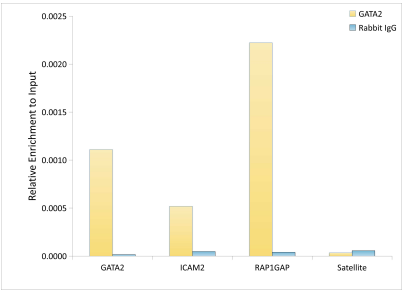
Validation Data



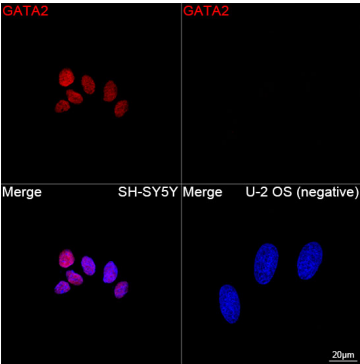
Immunoprecipitation of GATA2 from 900 µg extracts of SH-SY5Y cells was performed using 2 µg of GATA2 Rabbit mAb (A29350). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using GATA2 Rabbit mAb (A29350) at a dilution of 1:5000.



Western blot analysis of various lysates using GATA2 Rabbit mAb (A29350) at 1:100000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from K-562 cells, using 2 µg of GATA2 Rabbit mAb (A29350) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



Validation Data

Confocal imaging of SH-SY5Y cells and U-2 OS cells (negative) using GATA2 Rabbit mAb (A29350, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.