

GATA3 Rabbit mAb

Catalog No.: A25955 **Recombinant** **1 Publications**

Basic Information

Observed MW

48 kDa

Calculated MW

48 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-P,FC (intra),ELISA

Cross-Reactivity

Human

CloneNo number

ARC67910

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	1:7000 - 1:28000
IF/ICC	1:50 - 1:200
IF-P	1:50 - 1:200
FC (intra)	1:500 - 1:1000
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

2625

Swiss Prot

P23771

Immunogen

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

Synonyms

HDR; HDRS

Product Information

Source

Rabbit

Isotype

IgG

Purification

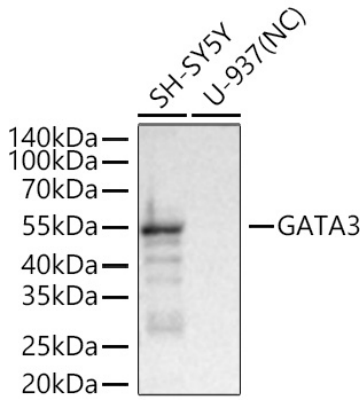
Affinity purification

Storage

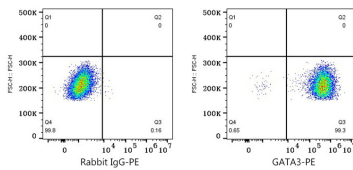
Store at -20°C. Avoid freeze / thaw cycles.

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.

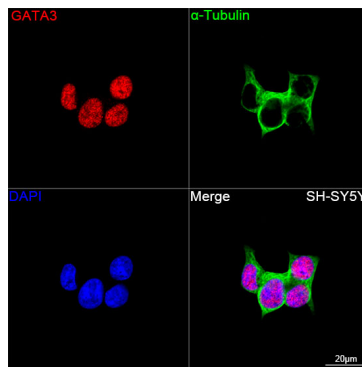
Validation Data



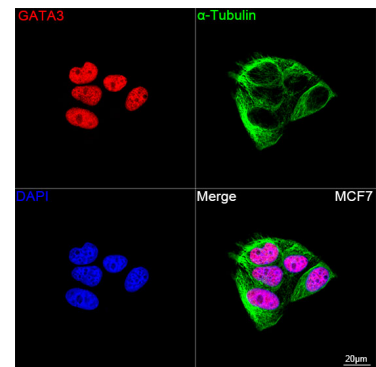
Western blot analysis of various lysates using GATA3 Rabbit mAb (A25955) at 1:7000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): U-937
 Exposure time: 1s.



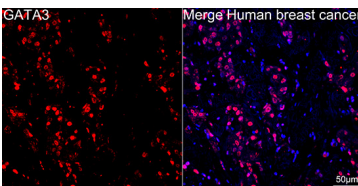
Flow cytometry: 1×10^6 MCF7 cells were intracellularly-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or GATA3 Rabbit mAb (A25955, 2 µg/mL, right), followed by PE conjugated Donkey anti-rabbit pAb staining.



Confocal imaging of SH-SY5Y cells using GATA3 Rabbit mAb (A25955, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of MCF7 cells using GATA3 Rabbit mAb (A25955, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Human breast cancer tissue using GATA3 Rabbit mAb (A25955, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.