A25955

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GATA3 Rabbit mAb

Catalog No.: A25955 Recombinant

Basic Information

Observed MW
50kDa

Calculated MW
48kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IF/ICC,ELISA,FC (intra)

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
FC (intra)	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

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℃. 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.

Contact

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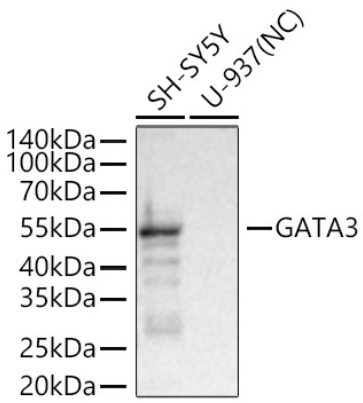
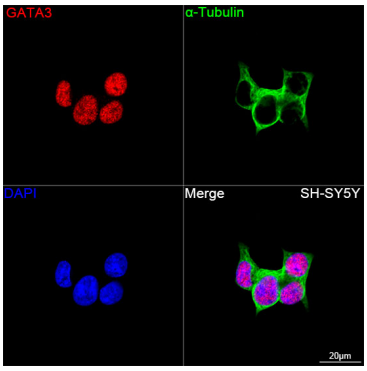
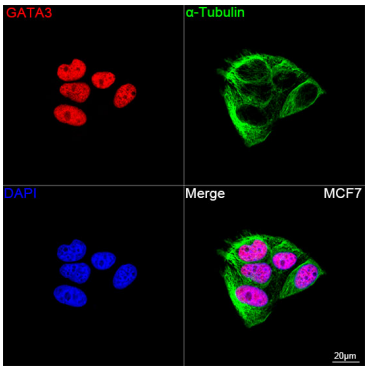
Validation Data



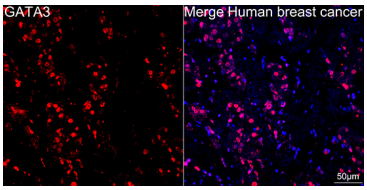
Western blot analysis of various lysates using GATA3 Rabbit mAb (A25955) at 1:7000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL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



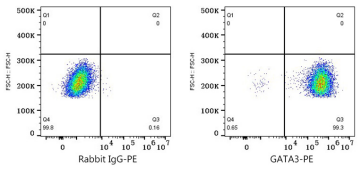
Confocal imaging of SH-SY5Y cells using GATA3 Rabbit mAb (A25955, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated 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.



Flow cytometry: 1X10^6 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

Validation Data

PE conjugated Donkey anti-rabbit pAb staining.