

Gata3 Rabbit PolymAb®

Catalog No.: A28206PM

Basic Information

Observed MW

48 kDa

Calculated MW

48 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-P,IHC-P,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

GATA-3 is a transcription factor belonging to the GATA family, which binds to the consensus DNA sequence (A/T)GATA(A/G), controlling various tissue-specific programs of gene expression and morphogenesis. It is widely expressed in tissues derived from the mesoderm and endoderm. GATA-3 has been proven to be an essential regulatory factor for immune cell function, the development of sympathetic neurons, and the maintenance of the differentiation state of epithelial cells.

Recommended Dilutions

WB 1:3000 - 1:20000

IF/ICC 1:200 - 1:800

IF-P 1:200 - 1:800

IHC-P 1:200 - 1:800

ChIP 3µg antibody for 10µg-15µg 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 (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

14462

Swiss Prot

P23772

Immunogen

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

Synonyms

jal; Gata-3

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.

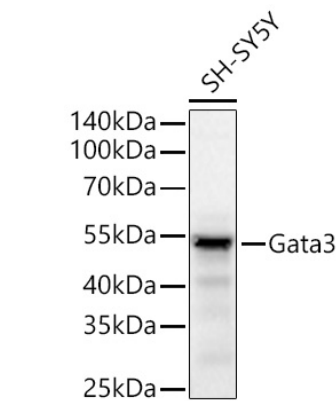
Contact

☎ | 400-999-6126

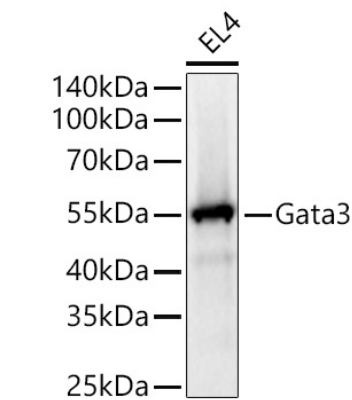
✉ | cn.market@abclonal.com.cn

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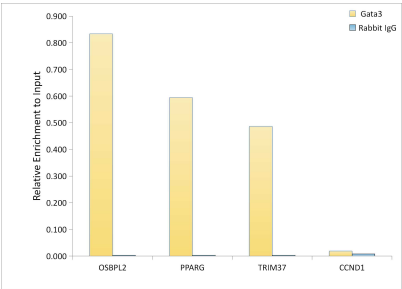
Validation Data



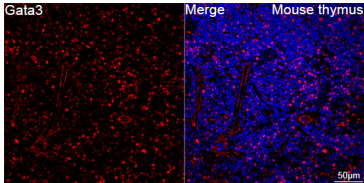
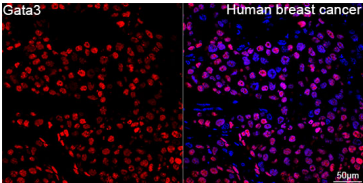
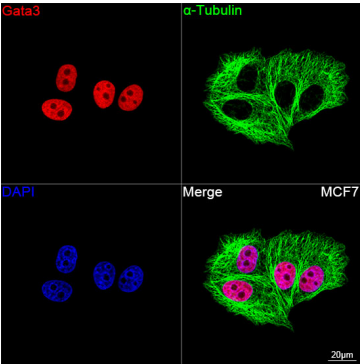
Western blot analysis of lysates from SH-SY5Y cells using Gata3 Rabbit PolymAb® (A28206PM) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Western blot analysis of lysates from EL4 cells using Gata3 Rabbit PolymAb® (A28206PM) at 1:5000 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.

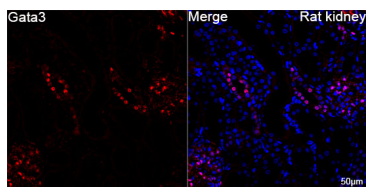


Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from MCF7, using 3 µg of Gata3 Rabbit PolymAb® (A28206PM) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.

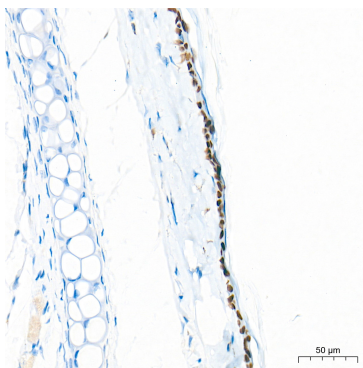


Validation Data

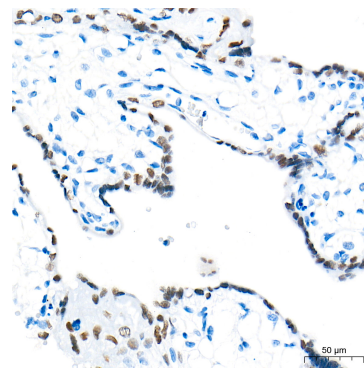
Confocal imaging of MCF7 cells using Gata3 Rabbit PolymAb® (A28206PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



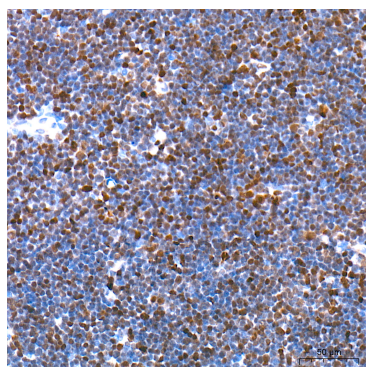
Confocal imaging of paraffin-embedded Human breast cancer tissue using Gata3 Rabbit PolymAb® (A28206PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



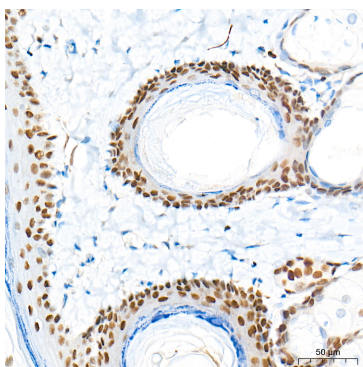
Confocal imaging of paraffin-embedded Mouse thymus tissue using Gata3 Rabbit PolymAb® (A28206PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



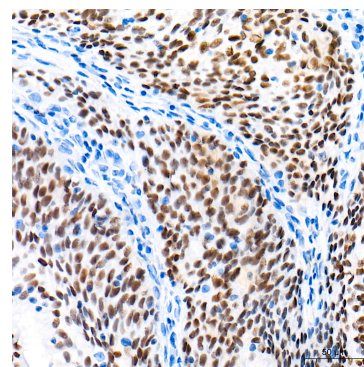
Confocal imaging of paraffin-embedded Rat kidney tissue using Gata3 Rabbit PolymAb® (A28206PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



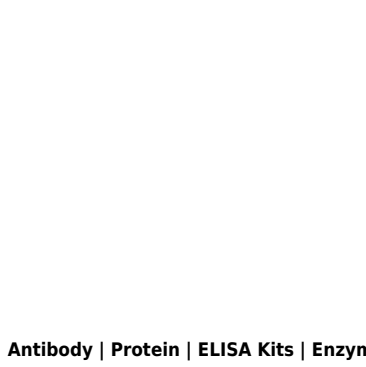
Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



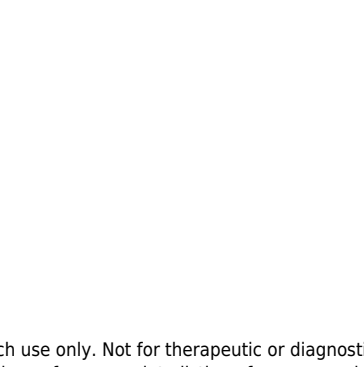
Immunohistochemistry analysis of paraffin-embedded Rat thymus tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



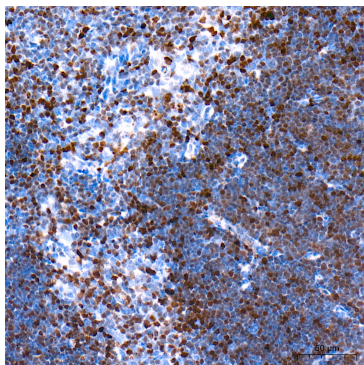
Immunohistochemistry analysis of paraffin-embedded Rat skin tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



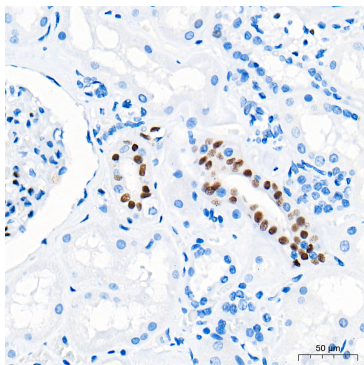
Immunohistochemistry analysis of paraffin-embedded Human urothelial carcinoma tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



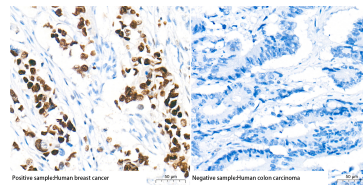
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer (positive) and colon carcinoma (negative) tissue using Gata3 Rabbit PolymAb® (A28206PM) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.