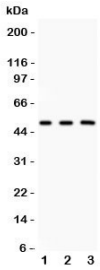
GATA3 Antibody (R31612)

Catalog No.	Formulation	Size
R31612	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	2625
Applications	Western blot: 0.5-1ug/ml
Limitations	This GATA3 antibody is available for research use only.



Western blot testing of GATA3 antibody and Lane 1: rat brain; 2: human MCF-7; 3: (h) HEPG2. Predicted molecular weight: 50 kDa



Western blot testing of GATA3 antibody and recombinant human protein (0.5ng)

Description

Trans-acting T-cell-specific transcription factor GATA-3, also named HDR, is a protein that in humans is encoded by the GATA3 gene. It is mapped to 10p14. This gene belongs to the GATA family of transcription factors. It regulates luminal epithelial cell differentiation in the mammary gland. The protein contains two GATA-type zinc fingers, it is an important regulator of T cell development and plays an important role in endothelial cell biology. GATA3 has been shown to promote the secretion ofIL-4,IL-5, andIL-13from Th2 cells, and induces the differentiation of Th0 cells towards this T cell subtype while suppressing their differentiation towards Th1 cells.

For highly selective detection of GATA3 in breast lineage-associated and epithelial differentiation studies, see the GATA3 Antibody / Breast Lineage Marker Antibody clone GATA3/2444 featuring protein microarray specificity validation.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GATA3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 1-197) was used as the immunogen for this GATA3 antibody.

Storage

After reconstitution, the GATA3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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