

Rabbit Anti-phospho-GATA3 (Ser115)antibody

SL10279R

Product Name phospho-GATA3 (Ser115)

Chinese Name 磷酸化 GATABinding protein3 抗体

Alias GATA3 (phospho S115); p-GATA3 (phospho S115); GATA3 (phospho Ser115); p-GATA3 (Ser115); GATA 3; GATA3; GATA-3; GATA binding factor 3; GATA binding protein 3; HDR; MGC2346; MGC5199; MGC5445; Trans acting T cell specific transcription factor GATA 3.

Product Type Phosphorylated anti

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,GuineaPig,Danio rerio)

Applications ELISA=1:5000-10000

not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 49kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthesised phosphopeptide derived from human GATA3 around the phosphorylation site of Ser115: NL(p-S)PF

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed

[PubMed](#)

Members of the GATA family share a conserved zinc finger DNA-binding domain and are capable of binding the WGATAR consensus sequence. GATA-1 is erythroid-specific and is responsible for the regulated transcription of erythroid genes. It is an essential component in the generation of the erythroid lineage. GATA-2 is expressed in embryonic brain and liver, HeLa and endothelial cells, as well as in erythroid cells. Studies with a modified GATA consensus sequence, AGATCTTA, have shown that GATA-2 and GATA-3 recognize this mutated consensus while GATA-1 has poor recognition of this sequence. This indicates broader regulatory capabilities of GATA-2 and GATA-3 than GATA-1. GATA-3 is highly expressed in T lymphocytes. GATA-4, GATA-5 and GATA-6 comprise a subfamily of transcription factors. Both GATA-4 and GATA-6 are found in heart, pancreas and ovary; lung and liver tissues exhibit GATA-6, but not GATA-4 expression. GATA-5 expression has been observed in differentiated heart and gut tissues and is present throughout the course of development in the heart. Although expression patterns of the various GATA transcription factors may overlap, it is not yet apparent how the GATA factors are able to discriminate in binding their appropriate target sites.

**Product
Detail**

Function:

Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'.

Subcellular Location:

Nucleus.

Tissue Specificity:

T-cells and endothelial cells.

DISEASE:

Defects in GATA3 are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia (HDR) [MIM:146255]; also known as Barakat syndrome.

Similarity:

Contains 2 GATA-type zinc fingers.

SWISS:

P23771

Gene ID:

2625

Database links:



[Entrez Gene: 2625](#) Human

[Entrez Gene: 14462](#) Mouse

[Entrez Gene: 85471](#) Rat

[Omim: 131320](#) Human

[SwissProt: P23771](#) Human

[SwissProt: P23772](#) Mouse

[Unigene: 524134](#) Human

[Unigene: 313866](#) Mouse