

## Rabbit Anti-phospho-GATA3 (Ser162)antibody

SL10280R

**Product Name** phospho-GATA3 (Ser162)

**Chinese Name** 磷酸化 GATABinding protein3 抗体

**Alias** GATA3 (phospho S162); p-GATA3 (phospho S162); GATA3 (phospho Ser162); p-GATA3 (Ser162); 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; GATA3\_HUMAN; Trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3.

**Product Type** Phosphorylated anti

**Research Area** Tumour Cell biology immunology Neurobiology Stem cells transcriptional regulatory factor lymphocyte t-lymphocyte

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig)  
ELISA=1:5000-10000

**Applications** 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 Ser162: DV(p-S)PD

**Lsotype** IgG

**Purification** affinity purified by Protein A

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



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<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a> 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.
<b>Product Detail</b>	<p><b>Function:</b> Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'.</p> <p><b>Subcellular Location:</b> Nucleus.</p> <p><b>Tissue Specificity:</b> T-cells and endothelial cells.</p> <p><b>DISEASE:</b> Defects in GATA3 are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia (HDR) [MIM:146255]; also known as Barakat syndrome.</p> <p><b>Similarity:</b> Contains 2 GATA-type zinc fingers.</p> <p><b>SWISS:</b> P23771</p> <p><b>Gene ID:</b> 2625</p>

**Database links:**

[Entrez Gene: 2625](#) Human

[Entrez Gene: 14462](#) Mouse

[Entrez Gene: 85471](#) Rat

[Omim: 131320](#) Human

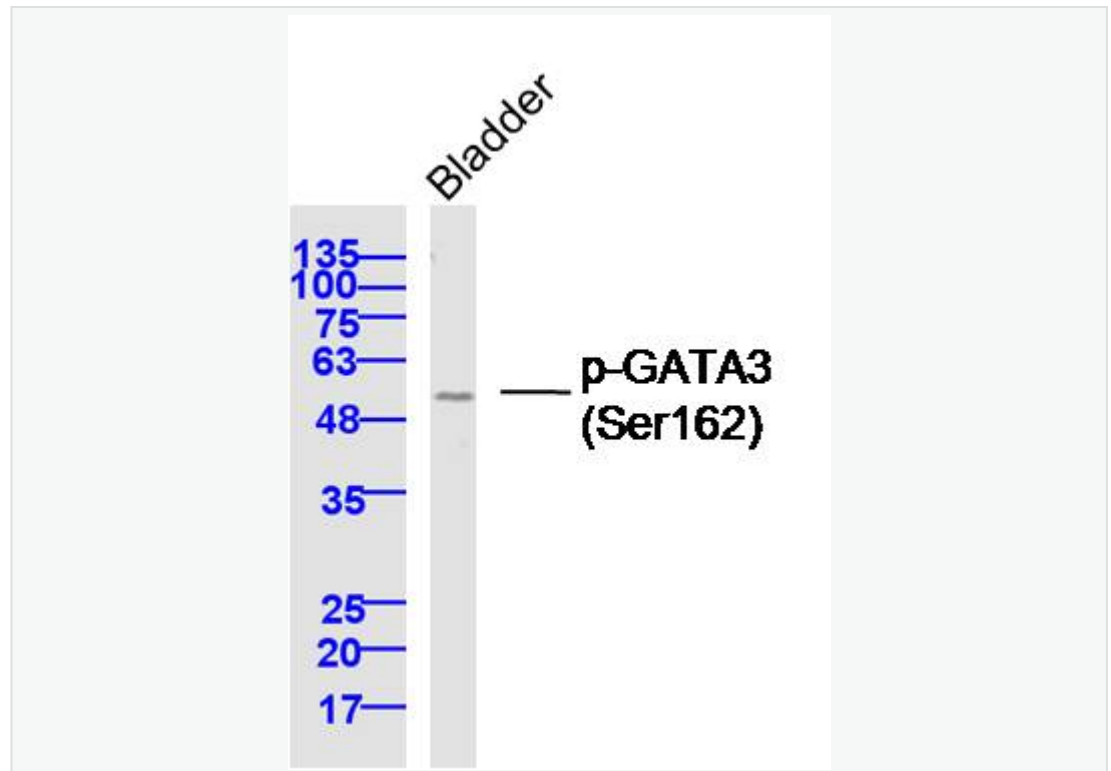
[SwissProt: P23771](#) Human

[SwissProt: P23772](#) Mouse

[Unigene: 524134](#) Human

[Unigene: 313866](#) Mouse

**Product  
Picture**



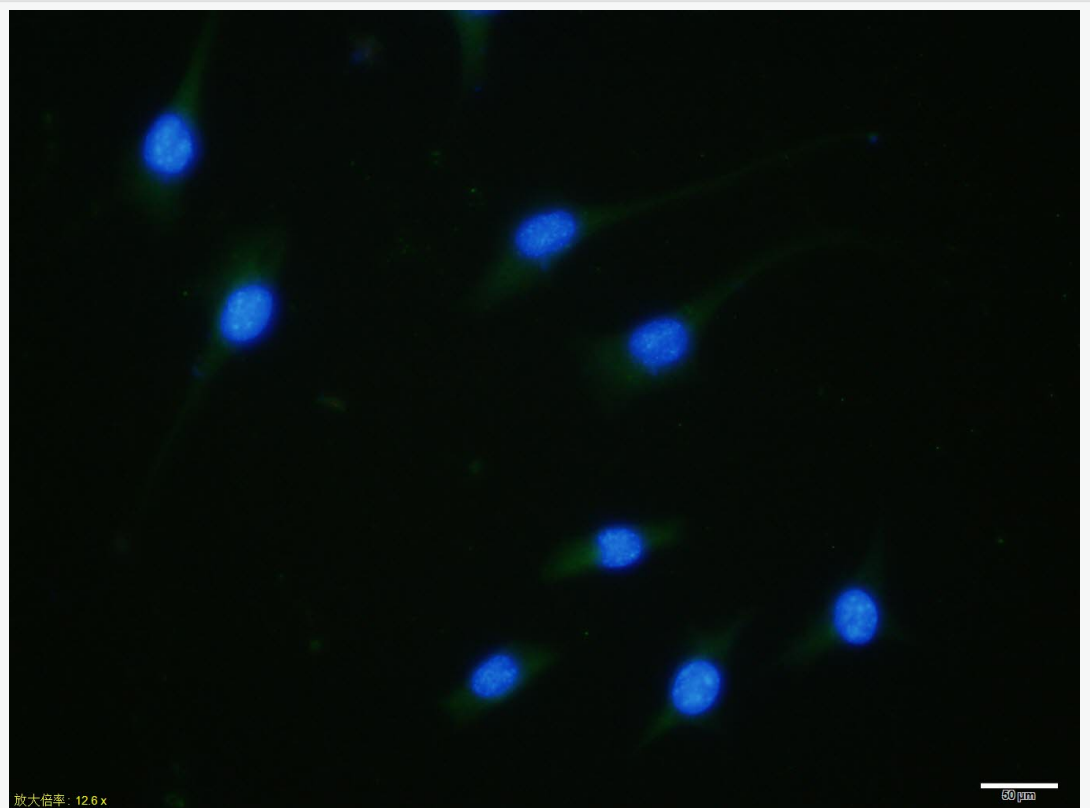
Sample: Bladder (Mouse) Lysate at 40 ug

Primary: Anti-phospho-GATA3 (Ser162) (SL10280R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

Observed band size: 49 kD



SHSY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-GATA3 (Ser162)) polyclonal Antibody, Unconjugated (SL10280R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.