Datasheet for ABIN1715074

# anti-GATA2 antibody (pSer401)

1 Image

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | GATA2 |
| Binding Specificity: | pSer401 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GATA2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

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| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human GATA2 around the phosphorylation site of Ser401 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

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|---|---|
| Target: | GATA2 |
| Alternative Name: | GATA2 (GATA2 Products) |
| Background: | Synonyms: GATA2 phospho S401, p-GATA2 phospho S401, GATA-2, GATA 2, GATA Binding Protein 2, GATA-binding protein 2, Gata2, GATA2_HUMAN, MGC2306, NFE 1B, NFE1B. Background: 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. |
| Gene ID: | 2624 |
| Pathways: | Stem Cell Maintenance |

## Application Details

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| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200<br>ICC 1:100-500 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 1 μg/μL |
| Buffer: | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

## Images

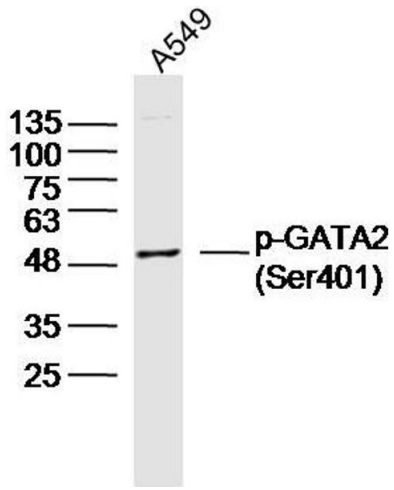


**Image 1.** A549 lysates probed with p-GATA2 (Ser401) Polyclonal Antibody, Unconjugated at 1:300 dilution and 4˚C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37˚C.