

## GATA1 Antibody | anti-GATA1 antibody

GATA1 (Phospho-Ser142) Antibody

|                               |                                        |                                                                                       |
|-------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA266595</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|

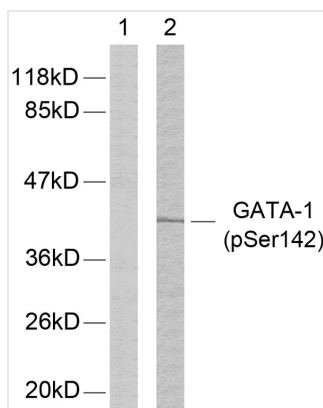
### PRODUCT SYNONYMS

GATA1; GATA1 (Phospho-Ser142) Antibody; anti-GATA1 antibody

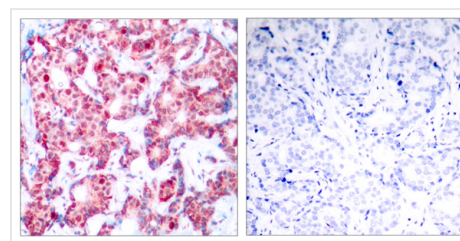
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | GATA-1 (phospho-Ser142) antibody detects endogenous levels of GATA-1 only when phosphorylated at serine 142.                                                                                                                                        |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 413                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-GATA1 antibody | IP (Immunoprecipitation), ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                      |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human GATA-1 around the phosphorylation site of serine 142 (R-L-SP-P-D).                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from K562 cells using GATA-1 (phospho-Ser142) antibody.


**IHC (Immunohistochemistry)**

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using GATA-1 (phospho-Ser142) antibody.

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-GATA1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                                                                                                                                                               |
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| References | Zon LI, et al. (1990) Proc Natl Acad. Sci USA. 87: 668-672. Trainor C D, et al. (1990) Nature. 343: 92-96. Nichols K E, et al. (2000) Nat Genet. 24: 266-270. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 4503925                                                   |
| NCBI GeneID                      | 2623                                                      |
| NCBI Accession #                 | NP_002040.1                                               |
| NCBI GenBank Nucleotide #        | NM_002049.3                                               |
| UniProt Accession #              | P15976; Q96GB8                                            |
| Molecular Weight                 | 34,232 Da                                                 |
| NCBI Official Full Name          | erythroid transcription factor                            |
| NCBI Official Synonym Full Names | GATA binding protein 1                                    |
| NCBI Official Symbol             | GATA1                                                     |
| NCBI Official Synonym Symbols    | GF1; GF-1; NFE1; XLTT; ERYF1; NF-E1; XLANP; XLTDA; GATA-1 |
| NCBI Protein Information         | erythroid transcription factor                            |
| UniProt Protein Name             | Erythroid transcription factor                            |
| UniProt Gene Name                | <b>GATA1</b>                                              |
| UniProt Synonym Gene Names       | ERYF1; GF1; GATA-1; GF-1                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
 Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/gata1/266595>