

## Rabbit GATA2/3 Monoclonal Antibody | anti-GATA2/3 antibody

Anti-GATA2/3 Rabbit Monoclonal Antibody

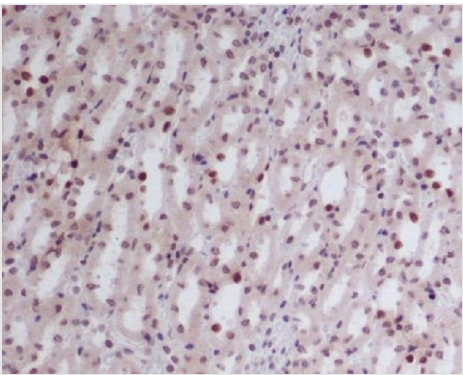
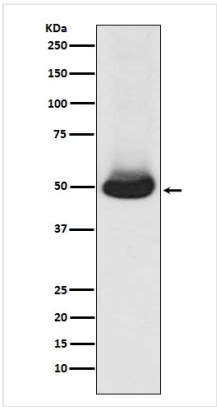
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                                     |
|-----------|--------|-------------------|--------------------------------------------------------------------------------------------------|
| AAA47056  | Rabbit | Human, Mouse, Rat | Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Immunoprecipitation |

### PRODUCT SYNONYMS

GATA2/3; Monoclonal Antibody; Anti-GATA2/3 Rabbit Monoclonal Antibody; Endothelial transcription factor GATA-2; GATA-binding protein 2; GATA2; anti-GATA2/3 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                     |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                          |
| Clonality                                         | Monoclonal                                                                                                                                                                                                 |
| Purity/Purification                               | Affinity-chromatography                                                                                                                                                                                    |
| Form/Format                                       | Liquid                                                                                                                                                                                                     |
| Sequence Length                                   | 466                                                                                                                                                                                                        |
| Applicable Applications for anti-GATA2/3 antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)                                                                                |
| Immunogen                                         | A synthesized peptide derived from human GATA2/3                                                                                                                                                           |
| Subcellular Localization                          | Nucleus.                                                                                                                                                                                                   |
| Tissue Specificity                                | Endothelial cells.                                                                                                                                                                                         |
| Contents                                          | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                          |
| Preparation and Storage                           | Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded mouse kidney, using GATA2/3 Antibody(AAA47056)GATA2 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-GATA2 Antibody (AAA47056)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

**WB (Western Blot)**  
Western blot analysis of GATA2/3 expression in K562 cell lysate (AAA47056).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GATA2 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GATA2

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GATA2/3 antibody | Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'.                                                                                                                      |
| Product Categories/Family for anti-GATA2/3 antibody   | Epigenetics and Nuclear Signaling; Transcription; Domain Families; zinc finger; Stem Cells; Lineage Markers; Ectoderm; Cardiovascular; Heart; Cardiogenesis; Transcription Factors/regulators; Epigenetics and Nuclear Signaling; ChIP'ing Antibodies; Developm |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 224611699                                         |
| NCBI GeneID                      | 2624                                              |
| NCBI Accession #                 | NP_001139133.1                                    |
| NCBI GenBank Nucleotide #        | NM_001145661.1                                    |
| UniProt Accession #              | P23769; Q53YE0; Q96BH0; Q96BH8; Q9BUJ6; D3DNB3    |
| Molecular Weight                 | 50500 MW                                          |
| NCBI Official Full Name          | endothelial transcription factor GATA-2 isoform 1 |
| NCBI Official Synonym Full Names | GATA binding protein 2                            |
| NCBI Official Symbol             | GATA2                                             |
| NCBI Official Synonym Symbols    | DCML; IMD21; NFE1B; MONOMAC                       |
| NCBI Protein Information         | endothelial transcription factor GATA-2           |
| UniProt Protein Name             | Endothelial transcription factor GATA-2           |
| UniProt Gene Name                | GATA2                                             |

**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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/gata2-3-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/47056>