

## Rabbit GATA-4 Polyclonal Antibody | anti-GATA-4 antibody

GATA-4 Polyclonal Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA294877</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

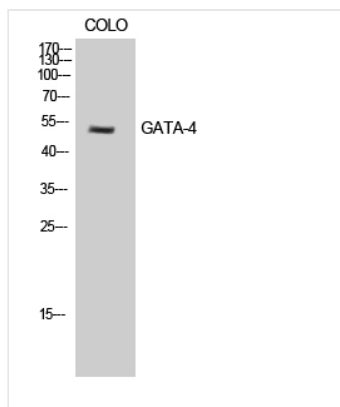
### PRODUCT SYNONYMS

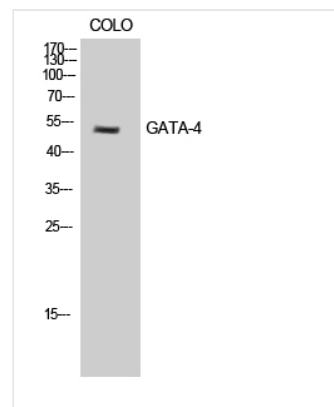
GATA-4; Polyclonal Antibody; GATA-4 Polyclonal Antibody; GATA4; Transcription factor GATA-4; GATA-binding factor 4; anti-GATA-4 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-GATA-4 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                            |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000.  
Not yet tested in other applications.

**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000.  
Not yet tested in other applications.

### ADDITIONAL INFORMATION

**Related Product Information for anti-GATA-4 antibody**

Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development and function (PubMed:27984724). In cooperation with TBX5, it binds to cardiac super-enhancers and promotes cardiomyocyte gene expression, while it downregulates endocardial and endothelial gene expression (PubMed:27984724). Involved in bone morphogenetic protein (BMP)-mediated induction of cardiac-specific gene expression. Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (By similarity). Acts as a transcriptional activator of ANF in cooperation with NKX2-5 (By similarity). Promotes cardiac myocyte enlargement (PubMed:20081228). Required during testicular development (PubMed:21220346). May play a role in sphingolipid signaling by regulating the expression of sphingosine-1-phosphate degrading enzyme, sphingosine-1-phosphate lyase (PubMed:15734735).

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 33188461                                           |
| NCBI GeneID                      | 2626                                               |
| NCBI Accession #                 | NP_002043.2                                        |
| NCBI GenBank Nucleotide #        | NM_002052.3                                        |
| UniProt Accession #              | P43694; Q3MJ45; Q5IFM8; B7ZKX0                     |
| Molecular Weight                 | 44,565 Da                                          |
| NCBI Official Full Name          | transcription factor GATA-4                        |
| NCBI Official Synonym Full Names | GATA binding protein 4                             |
| NCBI Official Symbol             | GATA4                                              |
| NCBI Official Synonym Symbols    | ASD2; VSD1                                         |
| NCBI Protein Information         | transcription factor GATA-4; GATA-binding factor 4 |
| UniProt Protein Name             | Transcription factor GATA-4                        |
| UniProt Gene Name                | <b>GATA4</b>                                       |
| UniProt Entry Name               | GATA4_HUMAN                                        |

**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/polyclonal/gata-4-antibody-immunofluorescence-western-blot-elisa/294877>