

# GATA4 Rabbit mAb

Catalog # AP76961

## Product Information

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|--------------------------|--|
| <b>Application</b>       | WB, IF, FC, ICC                                |
| <b>Primary Accession</b> | <a href="#">P43694</a>                         |
| <b>Reactivity</b>        | Rat, Human, Mouse                              |
| <b>Host</b>              | Rabbit   |
| <b>Clonality</b>         | Monoclonal Antibody                            |
| <b>Isotype</b>           | IgG  |
| <b>Conjugate</b>         | Unconjugated                                   |
| <b>Immunogen</b>         | A synthesized peptide derived from human GATA4 |
| <b>Purification</b>      | Affinity Chromatography                        |
| <b>Calculated MW</b>     | 44565  |

## Additional Information

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|--------------------|--|
| <b>Gene ID</b>     | 2626   |
| <b>Other Names</b> | GATA4  |
| <b>Dilution</b>    | WB~~1/500-1/1000 IF~~1/50-1/200 FC~~1:10~50 ICC~~N/A   |
| <b>Format</b>      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

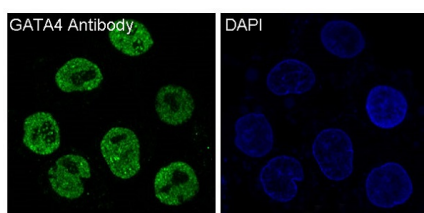
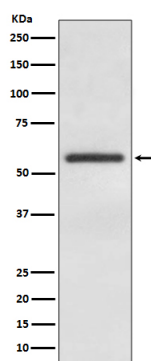
## Protein Information

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|                 |  |
|-----------------|--|
| <b>Name</b>     | GATA4  |
| <b>Function</b> | Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development and function (PubMed: <a href="#">24000169</a> , PubMed: <a href="#">27984724</a> , PubMed: <a href="#">35182466</a> ). In cooperation with TBX5, it binds to cardiac super-enhancers and promotes cardiomyocyte gene expression, while it down-regulates endocardial and endothelial gene expression (PubMed: <a href="#">27984724</a> ). 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: <a href="#">20081228</a> ). Required during testicular development (PubMed: <a href="#">21220346</a> ). May play a role in sphingolipid signaling by regulating the expression of sphingosine-1-phosphate degrading enzyme, sphingosine-1-phosphate lyase (PubMed: <a href="#">15734735</a> ). |

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.