

# 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.

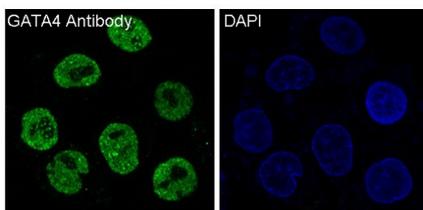
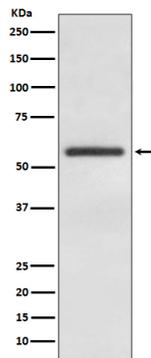
## Protein Information

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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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