

**Product Name: GATA4 (6U13) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe11313**

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## Summary

<b>Production Name</b>	GATA4 (6U13) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	GATA4
<b>Alternative Names</b>	ASD2; GATA 4; GATA binding protein 4; gata4; Transcription factor GATA 4; VSD1;
<b>Gene ID</b>	2626.0
<b>SwissProt ID</b>	P43694.

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000
<b>Molecular Weight</b>	45kDa

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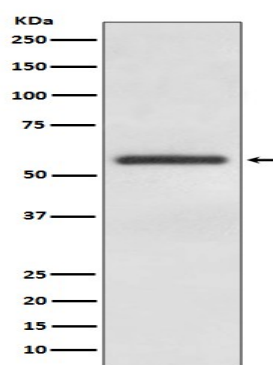


## Background

Involved in bone morphogenetic protein (BMP)-mediated induction of cardiac-specific gene expression (By similarity). 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). Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development and function (PubMed:<a href="http://www.uniprot.org/citations/24000169" target="\_blank">24000169</a>, PubMed:<a href="http://www.uniprot.org/citations/27984724" target="\_blank">27984724</a>). In cooperation with TBX5, it binds to cardiac super-enhancers and promotes cardiomyocyte gene expression, while it downregulates endocardial and endothelial gene expression (PubMed:<a href="http://www.uniprot.org/citations/27984724" target="\_blank">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="http://www.uniprot.org/citations/20081228" target="\_blank">20081228</a>). Required during testicular development (PubMed:<a href="http://www.uniprot.org/citations/21220346" target="\_blank">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="http://www.uniprot.org/citations/15734735" target="\_blank">15734735</a>).

## Research Area

## Image Data



Western blot analysis of GATA4 expression in HeLa cell lysate.

## Note

For research use only.