

Datasheet for ABIN3031033  
**anti-GATA4 antibody (AA 298-328)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	0.4 mL
Target:	GATA4
Binding Specificity:	AA 298-328
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GATA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	A portion of amino acids 298-328 from the human protein was used as the immunogen for this GATA4 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Xenopus
Purification:	Purified

## Target Details

Target:	GATA4
Alternative Name:	GATA4 ( <a href="#">GATA4 Products</a> )
Background:	GATA4 is a transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and

## Target Details

plays a key role in cardiac development. 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. Acts as a transcriptional activator of ANF in cooperation with NKX2-5. Promotes cardiac myocyte enlargement. Required during testicular development. [UniProt]

UniProt: [P43694](#)

Pathways: [Peptide Hormone Metabolism](#), [Carbohydrate Homeostasis](#)

## Application Details

Application Notes: Titration of the GATA4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

## Handling

Format: Liquid

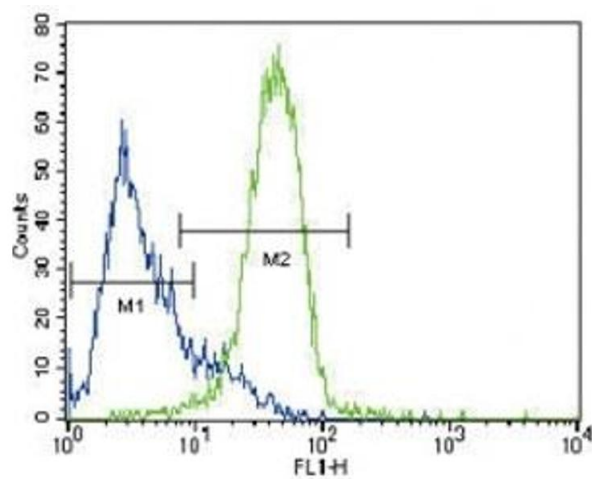
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

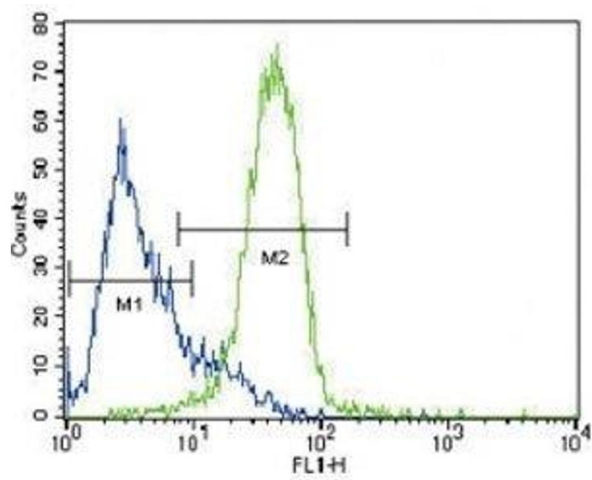
Storage: -20 °C

Storage Comment: Aliquot the GATA4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



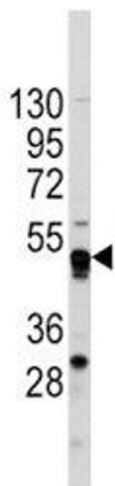
Flow Cytometry

**Image 1.** GATA4 antibody flow cytometric analysis of HepG2 cells (green) compared to a **negative control** (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Flow Cytometry

**Image 2.** GATA4 antibody flow cytometric analysis of HepG2 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

**Image 3.** Western blot analysis of GATA4 antibody and CEM lysate. Predicted molecular weight: 42-50 kDa.