

Anti-GATA4 Rabbit Monoclonal Antibody

Catalog Number: M00499-1

About GATA4

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

Product Name	Anti-GATA4 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GATA4 Rabbit Monoclonal Antibody catalog # M00499-1. Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, ICC, WB
Clonality	Monoclonal ABOB-7
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P43694

Technical Details

Immunogen	A synthesized peptide derived from human GATA4
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:100
--	--

Anti-GATA4 Rabbit Monoclonal Antibody (M00499-1) Images

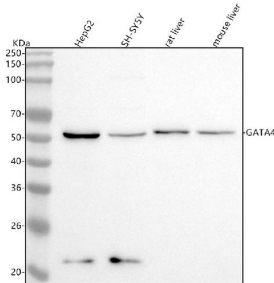


Figure 1. Western blot analysis of GATA4 using anti-GATA4 antibody (M00499-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

Lane 2: human SH-SY5Y whole cell lysates,

Lane 3: rat liver tissue lysates,

Lane 4: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.

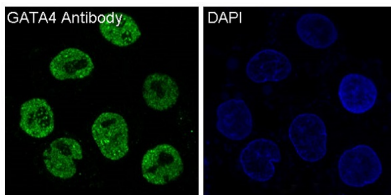
Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT.

The membrane was incubated with rabbit anti-GATA4 antigen affinity purified polyclonal antibody (Catalog # M00499-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed

with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed

using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific

band was detected for GATA4 at approximately 54 kDa. The expected band size for GATA4 is at 45 kDa.



Immunofluorescent analysis of HepG2 cells, using GATA4 Antibody .

2 Publications Citing This Product

1. PubMed ID: 23533594, Liu J, Wang Y, Du W, Liu W, Liu F, Zhang L, Zhang M, Hou M, Liu K, Zhang S, Yu B. Plos One. 2013;8(3):E58883. Doi: 10.1371/Journal.Pone.0058883. Epub 2013 Mar 22. Wnt1 Inhibits Hydrogen Peroxide-Induced Apoptosis In Mouse Cardiac Stem Cells.

2. PubMed ID: 24520255, Differentiation of human embryonic germ cells and transplantation in rats with acute myocardial infarction

Visit bosterbio.com/anti-gata4-rabbit-monoclonal-antibody-m00499-1-boster.html to see all 2 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-GATA4 Rabbit Monoclonal Antibody