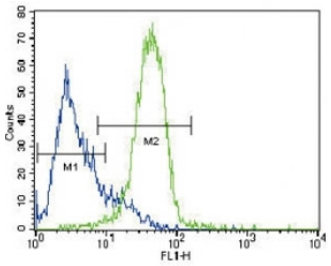
GATA4 Antibody (F43474)

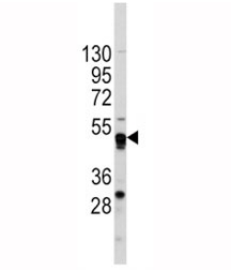
Catalog No.	Formulation	Size
F43474-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43474-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Xenopus
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P43694
Applications	Western blot: 1:1000 Flow Cytometry: 1:10-1:50
Limitations	This GATA4 antibody is available for research use only.



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

Description

GATA4 is a transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and 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]

For an overview of GATA4 biology and its essential role as a cardiac transcription factor regulating heart development, embryogenesis and tissue-specific gene expression, visit our GATA4 Antibody / Cardiac Transcription Factor Antibody page.

Application Notes

Titration of the GATA4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 298-328 from the human protein was used as the immunogen for this GATA4 antibody.

Storage

Aliquot the GATA4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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