

Basic Information

Product Name	Anti-GATA4 Antibody (Clone#ABOB-7)		
Gene Name	GATA4		
Source	Rabbit		
Clonality	Monoclonal		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, ICC/IF, FCM		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
Immunogen	A synthesized peptide derived from human GATA4		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	50 kDa		
Dilution Ratios	Western blot (WB):	1:500-2000	
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200	
	Flow Cytometry (FCM):	1:20	

Storage

12 months from date of receipt, -20°C as supplied.

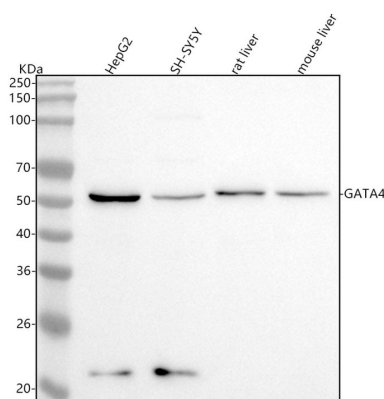
Background Information

Transcription factor GATA-4 is a protein that in humans is encoded by the GATA4 gene. This gene encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function, and is necessary for normal testicular development. Mutations in this gene have been associated with cardiac septal defects. Additionally, alterations in gene expression have been associated with several cancer types.

Reference

Anti-GATA4 Antibody (Clone#ABOB-7)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-GATA4 antibody (BM5082). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

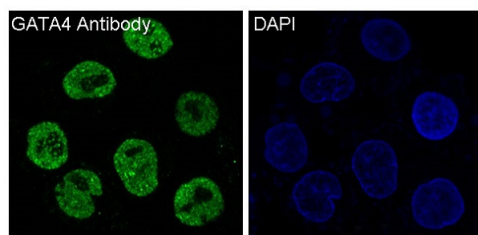
Lane 2: human SH-SY5Y whole cell lysates,

Lane 3: rat liver tissue lysates,

Lane 4: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-GATA4 antigen affinity purified monoclonal antibody (BM5082) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). 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 .