



GATA-4 Monoclonal Antibody

Catalog No	YP-Ab-00987
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	GATA4
Immunogen	Purified recombinant fragment of human GATA-4 expressed in E. Coli.
Specificity	GATA-4 Monoclonal Antibody detects endogenous levels of GATA-4 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GATA binding factor 4;GATA binding protein 4;GATA4;Transcription factor GATA 4;GATA-4;Transcription factor GATA-4;GATA-binding factor 4
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus .
Tissue Specificity	Heart,Lung,
Function	disease:Defects in GATA4 are the cause of atrial septal defect type 2 (ASD2) [MIM:607941]. ASD2 is a congenital heart malformation characterized by incomplete closure of the wall between the atria resulting in blood flow from the left to the right atria. ASD2 patients show other heart abnormalities including ventricular and atrioventricular septal defects, pulmonary valve thickening or insufficiency of the cardiac valves. ASD2 is not associated with defects in the cardiac conduction system or non-cardiac abnormalities.,function:Transcriptional activator. Binds to the consensus sequence 5'-AGATAG-3'. Acts as a transcriptional activator of ANF in cooperation with NKX2-5.,similarity:Contains 2 GATA-type zinc fingers.,subunit:Interacts with ZNF260 (By similarity). Interacts with the homeobox domain of NKX2-5 through its C-terminal zinc finger. Also interacts with JARID2 which represses its a



Background

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015],

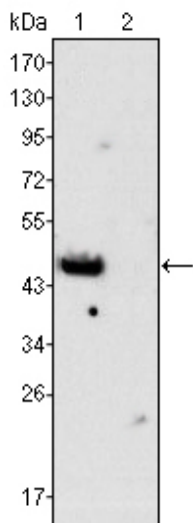
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using GATA-4 Monoclonal Antibody against rat fetal heart (1) and adult heart (2) tissues lysate.