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anti-GATA4 antibody





Overview

Quantity:	100 μL
Target:	GATA4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GATA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	GATA4 Rabbit mAb
Immunogen:	A synthesized peptide derived from human GATA4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	GATA4
Alternative Name:	GATA4 (GATA4 Products)
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],ASD2, TACHD, TOF,

VSD1,Cancer,Cardiovascular,Cardiovascular Markers,Cardiovascular

Markers_Cardiomyocytes,Cell Biology & Developmental Biology,Epigenetics & Nuclear

Signaling,Heart,Heart_Hypertrophy,Mesenchymal Stem Cells,Stem Cells,Transcription

Factors,Tumor suppressors,GATA4

Molecular Weight: 44kDa

Gene ID: 2626

UniProt: P43694

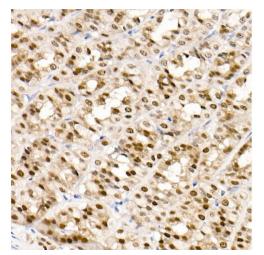
Pathways: Peptide Hormone Metabolism, Carbohydrate Homeostasis

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

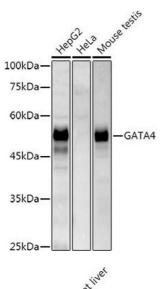
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 0.05 % BSA, 50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



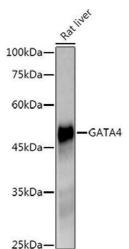
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat stomach using G Rabbit mAb (ABIN7267359) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using G antibody (ABIN7267359) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat liver, using G antibody (ABIN7267359) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.

Please check the product details page for more images. Overall 6 images are available for ABIN7267359.