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Datasheet for ABIN969168

anti-GATA3 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	GATA3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GATA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human GATA3 expressed in E. coli.
Clone:	7B5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GATA3
Alternative Name:	GATA3 (GATA3 Products)
Background:	Description: This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia. (provided by

Target Details

RefSeq) Tissue specificity: T-cells and endothelial cells RD: GATA-3 belongs to the GATA family of transcription factors, which bind to the consensus DNA sequence (A/T) GATA (A/G) to control diverse tissue-specific programs of gene expression and morphogenesis. It is widely expressed in mesodermal- and endodermal-derived tissues. GATA-3 has been shown to be an essential regulator for immune cell function, sympathetic neuron development, and the maintenance of the differentiated state in epithelial cells.

Aliases: HDR,MGC2346,MGC5199,MGC5445,GATA3

Molecular Weight: 48 kDa

Gene ID: 2625

HGNC: 2625

Pathways: [Hormone Transport](#), [Regulation of Hormone Metabolic Process](#), [Tube Formation](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

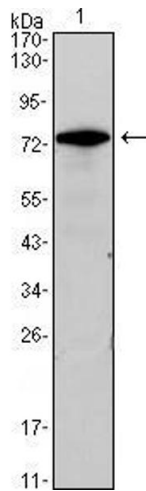
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

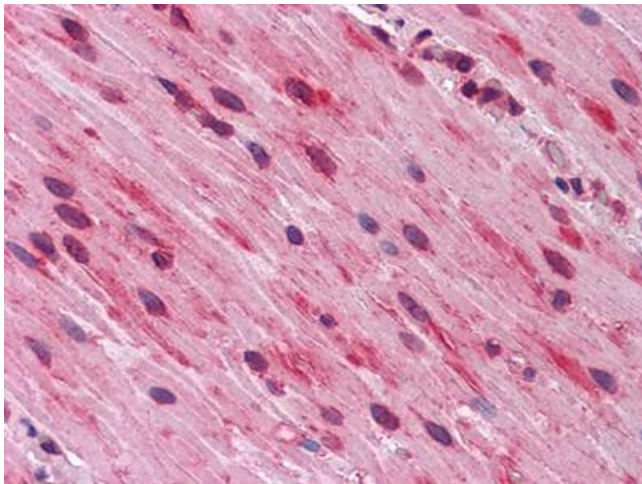
Publications

Product cited in: Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using GATA3 mouse mAb against GATA3(AA: full length)-hIgGFc transfected HEK293 cell lysate.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human Small Intestine, muscularis propria tissues using anti-GATA3 mouse mAb