

GATA-3 Monoclonal Antibody (7M11)

Catalog No :	YM0298
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	GATA-3
Fields :	>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>Parathyroid hormone synthesis, secretion and action;>>Inflammatory bowel disease
Gene Name :	GATA3
Protein Name :	Trans-acting T-cell-specific transcription factor GATA-3
Human Gene Id :	2624
Human Swiss Prot No :	P23771
Mouse Swiss Prot No :	P23772
Immunogen :	Purified recombinant fragment of human GATA-3 expressed in E. Coli.
Specificity :	GATA-3 Monoclonal Antibody detects endogenous levels of GATA-3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	48kD

P References :

1. Biogerontology. 2009 Oct;10(5):593-604.
2. Arthritis Rheum. 2009 Mar;60(3):750-9.

Background :

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 RefSeq, Nov 2009],

Function :

disease:Defects in GATA3 are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia (HDR) [MIM:146255]; also known as Barakat syndrome.,function:Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'.,similarity:Contains 2 GATA-type zinc fingers.,tissue specificity:T-cells and endothelial cells.,

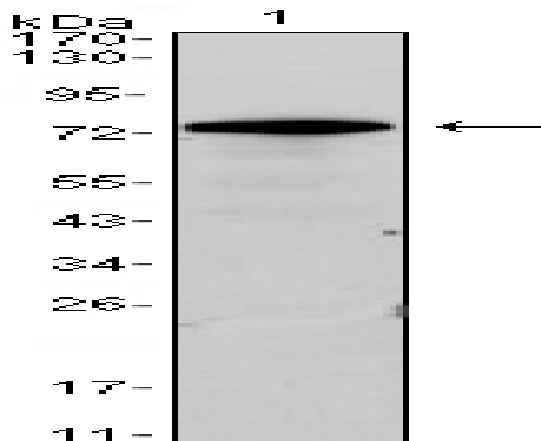
Subcellular Location :

Nucleus.

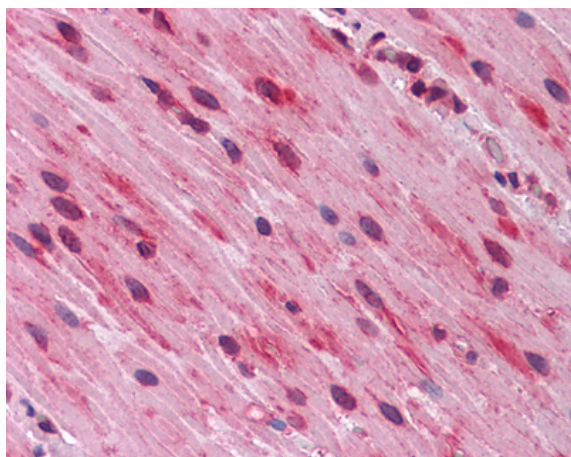
Expression :

T-cells and endothelial cells.

Products Images



Western Blot analysis using GATA-3 Monoclonal Antibody against GATA3-hlgGfC transfected HEK293 cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Small Intestine, muscularis propria tissues with AEC staining using GATA-3 Monoclonal Antibody.