

## Product datasheet for **AM06448SU-N**

### **GATA3 Mouse Monoclonal Antibody [Clone ID: 7B5]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	7B5
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on paraffin sections</b> 1/200 - 1/1000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human GATA3 expressed in E. Coli.
Specificity:	This antibody reacts to GATA3.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	48 kDa
Gene Name:	GATA binding protein 3
Database Link:	<a href="#">Entrez Gene 2625 Human P23771</a>



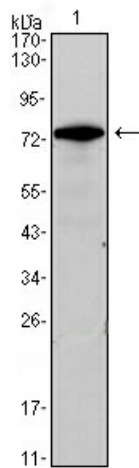
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**Background:**

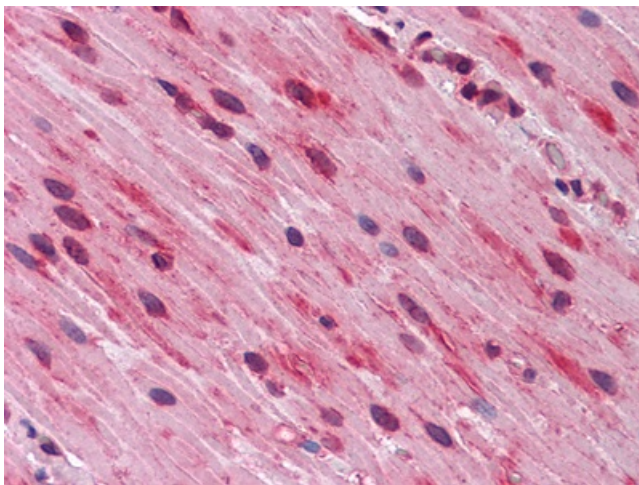
This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism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

**Synonyms:**

GATA-3, GATA-binding factor 3

**Product images:**


Western blot analysis using GATA3 mouse mAb against GATA3 (AA: 175-388)-hIgGfc transfected HEK293 cell lysate.



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