

## Product datasheet for **CF809094**

### **GATA3 Mouse Monoclonal Antibody [Clone ID: OTI5C11]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI5C11
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	IHC 1:200
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 155-443 of human GATA3 (NP_002042) produced in E.coli.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	47.9 kDa
<b>Gene Name:</b>	GATA binding protein 3
<b>Database Link:</b>	<a href="#">NP_001002295</a> <a href="#">Entrez Gene 14462 Mouse</a> <a href="#">Entrez Gene 85471 Rat</a> <a href="#">Entrez Gene 2625 Human</a> <a href="#">P23771</a>



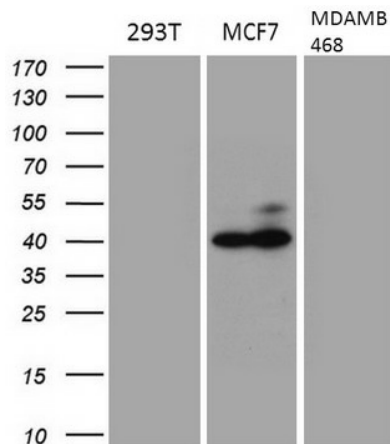
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**Background:** This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia. [provided by RefSeq, Nov 2009]

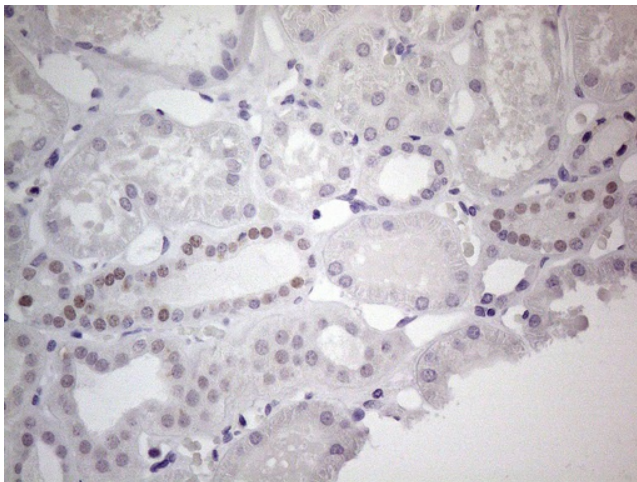
**Synonyms:** HDR; HDRS

**Protein Families:** Adult stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

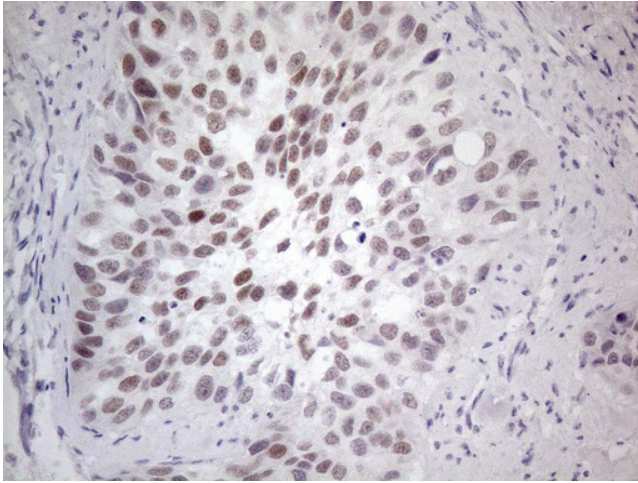
### Product images:



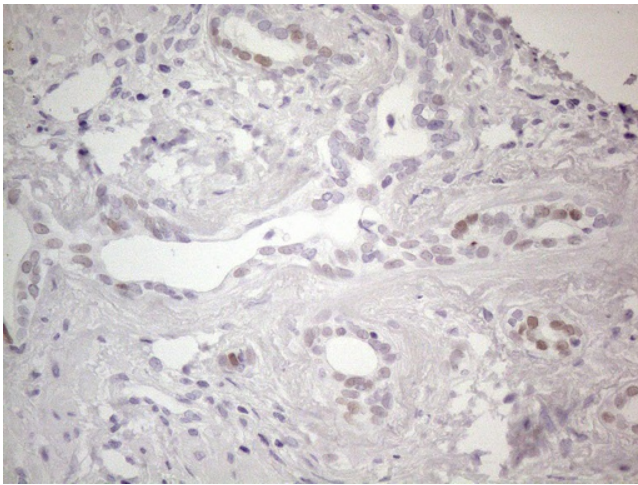
Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-GATA3 monoclonal antibody (1:200).



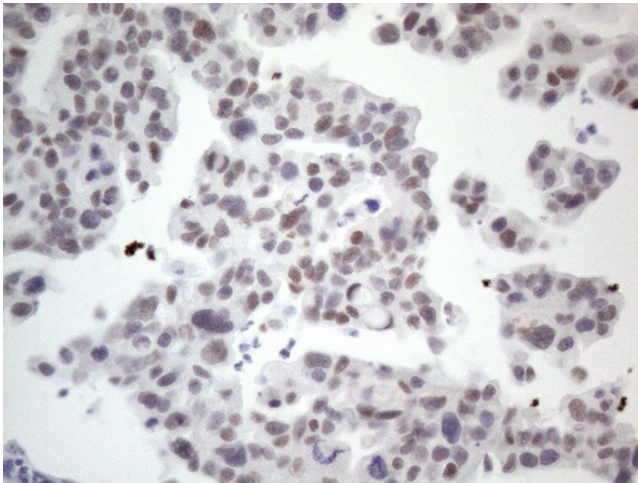
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GATA3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GATA3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



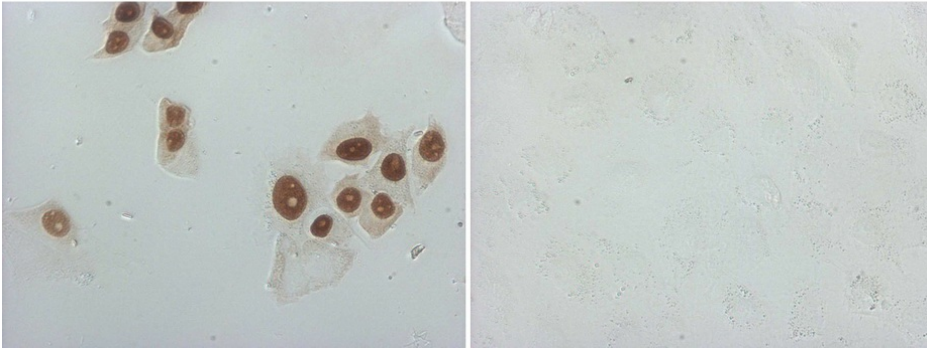
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-GATA3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-GATA3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

MCF7

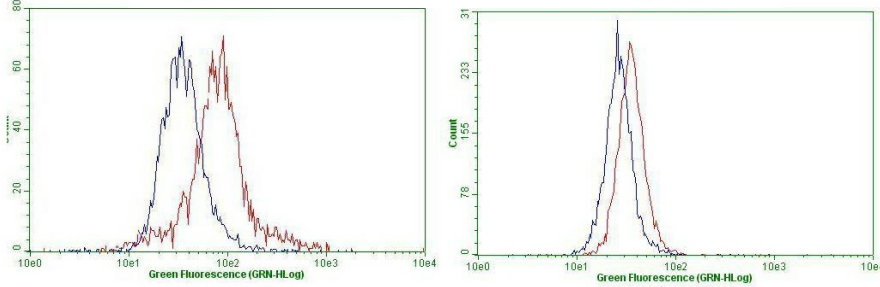
HUVEC



Immunocytochemistry staining of MCF-7 cells using anti-GATA3 mouse monoclonal antibody ([TA809094]) (Left). The right is negative control. (1:2000)

MCF-7

HUVEC



Flow cytometric Analysis of MCF-7 cells, using anti-GATA3 antibody ([TA809094]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue). The right is HUVEC cells as negative control (1:100).