

## GATA3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant GATA3.

Catalog # AT2162a

### Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P23771</a>
<b>Other Accession</b>	<a href="#">NM_001002295</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	2H5
<b>Calculated MW</b>	47916

### Additional Information

---

<b>Gene ID</b>	2625
<b>Other Names</b>	Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, GATA3
<b>Target/Specificity</b>	GATA3 (NP_001002295.1, 103 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	GATA3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### 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.

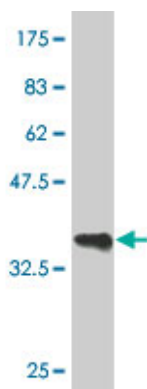
### References

---

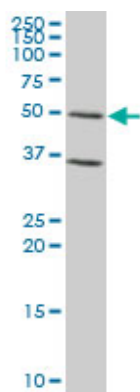
Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. Pediatr Pulmonol, 2010 Jun. PMID 20503287. GATA3 siRNA inhibits the binding

of NFAT1 to interleukin-13 promoter in human T cells. Yao X, et al. Chin Med J (Engl), 2010 Mar 20. PMID 20368097. New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496. Lck mediates Th2 differentiation through effects on T-bet and GATA-3. Kemp KL, et al. J Immunol, 2010 Apr 15. PMID 20237292. GATA3 inhibits breast cancer metastasis through the reversal of epithelial-mesenchymal transition. Yan W, et al. J Biol Chem, 2010 Apr 30. PMID 20189993.

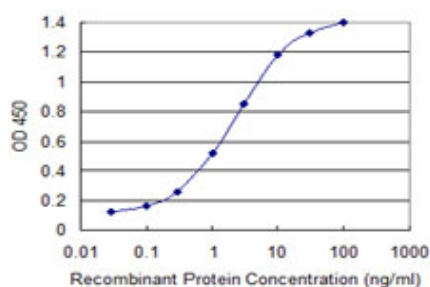
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



GATA3 monoclonal antibody (M02), clone 2H5 Western Blot analysis of GATA3 expression in A-431 (Cat # AT2162a )



Detection limit for recombinant GST tagged GATA3 is 0.03 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.