

**GATA3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16085c****Specification**

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**GATA3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P23771](#)**GATA3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2625**Other Names**

Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, GATA3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GATA3 Antibody (Center) Blocking Peptide - Protein Information****Name** GATA3**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'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. Positively regulates ASB2 expression (By similarity). Coordinates macrophage transcriptional activation and UCP2-dependent metabolic reprogramming in response to IL33. Upon tissue injury, acts downstream of IL33 signaling to drive differentiation of inflammation-resolving alternatively activated macrophages.

**Cellular Location**

Nucleus.

**Tissue Location**

T-cells and endothelial cells.

**GATA3 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **GATA3 Antibody (Center) Blocking Peptide - Images**

### **GATA3 Antibody (Center) Blocking Peptide - Background**

This gene encodes a protein which belongs to the GATAfamily of transcription factors. The protein contains two GATA-typezinc fingers and is an important regulator of T-cell developmentand plays an important role in endothelial cell biology. Defects inthis gene are the cause of hypoparathyroidism with sensorineuraldeafness and renal dysplasia.

### **GATA3 Antibody (Center) Blocking Peptide - References**

Cook, K.D., et al. J. Immunol. 185(6):3209-3216(2010)Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)Kemp, K.L., et al. J. Immunol. 184(8):4178-4184(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)Yao, X., et al. Chin. Med. J. 123(6):739-744(2010)