



# GATA-3 Monoclonal Antibody

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                  | YP-Ab-00986                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applications                | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name                   | GATA3                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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                 | Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.                                                                                                                                                                                                                                                                                                                                                          |
| Source                      | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purification                | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dilution                    | WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                       |
| Concentration               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Stability           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms                    | GATA binding factor 3;GATA-binding factor 3;Trans-acting T-cell-specific transcription factor;GATA-3;GATA3;Trans-acting T-cell-specific transcription factor GATA-3                                                                                                                                                                                                                                                         |
| Observed Band               |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Calculated Molecular Weight | 48kDa                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cell Pathway                | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tissue Specificity          | T-cells and endothelial cells.                                                                                                                                                                                                                                                                                                                                                                                              |
| 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., |
| 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],                               |



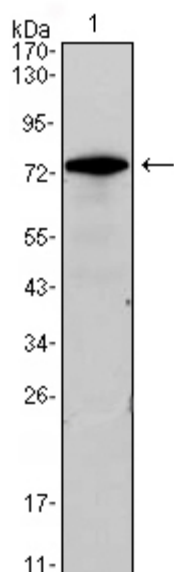
**matters needing attention**

Avoid repeated freezing and thawing!

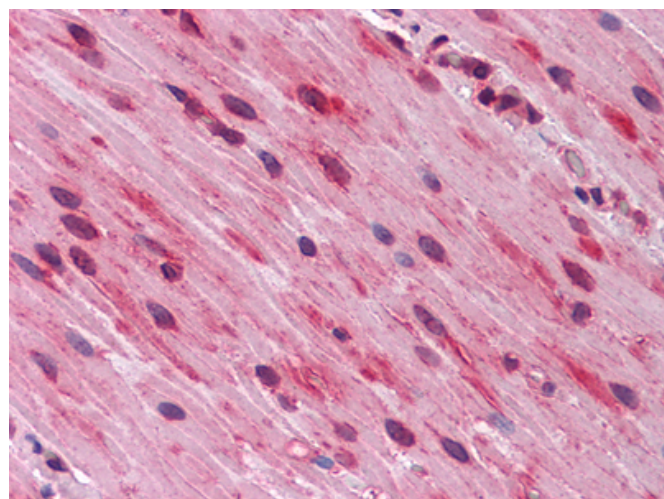
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**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.