Intended Use: For Research Use Only

Description: GATA-3 (GATA binding protein 3) is a member of the GATA family of transcription factors. This 50kD a nuclear protein regulates the development and subsequent maintenance of a variety of human tissues, including hematopoietic cells, skin, kidney, mammary gland, and the central nervous system. Among several other roles, GATA-3 involved in luminal cell differentiation in the mammary gland and appears to control a set of genes involved in the differentiation and proliferation of breast cancer. The expression of GATA-3 is associated with the expression of estrogen receptor-alpha (ER) in breast cancer. GATA-3 has been shown to be a novel marker for bladder cancer. The study demonstrated that GATA-3 stained 67% of urothelial Carcinomas, but none of prostate or renal carcinomas.

Specifications
Clone: HG3-31
Source: Mouse
Reactivity: Human, mouse, rat
Isotype: IgG1
Localization: Nucleus
Formulation: Antibody in PBS pH7.4, containing BSA and ≤0.09% sodium azide (NaN3)
Storage: Store at 2°-8°C.
Applications: IHC, ICC/IF, IP, WB

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>GATA3 Concentrated</td>
<td>MC0589</td>
<td>1 ml</td>
</tr>
<tr>
<td>GATA3 Prediluted</td>
<td>MC0589RTU7</td>
<td>7 ml</td>
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IHC Procedure*
Positive Control Tissue: Transitional cell carcinoma, or lung carcinoma
Concentrated Dilution: 50-250
Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.

References: