

## Recombinant GATA-3 (Breast and Urothelial Marker) Antibody

Mouse Monoclonal Antibody [Clone rGATA3/3870]

Catalog No	Format	Size
2625-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2625-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2625-MSM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

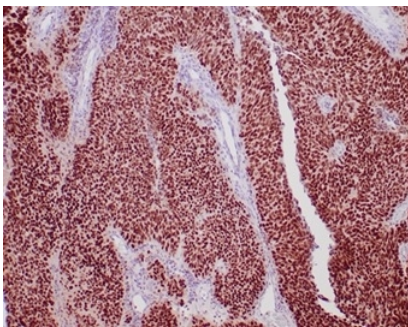
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

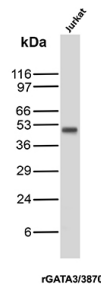
Clone	rGATA3/3870
Gene Name	GATA3
Immunogen	Recombinant full-length human GATA-3 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~50kDa
Cellular Localization	Nucleus
Species Reactivity	Human, Rat
Positive Control	Human breast or urothelial carcinoma tissue. Jurkat.

\*Optimal dilution for a specific application should be determined.

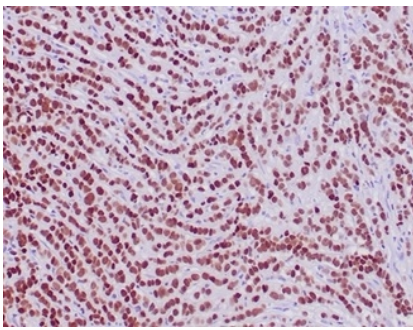
### Product Images for Recombinant GATA-3 (Breast and Urothelial Marker) Antibody



Formalin-fixed, paraffin-embedded human urothelial carcinoma stained with GATA-3 Recombinant Mouse Monoclonal Antibody (rGATA3/3870).



Western blot analysis of Jurkat cell lysate using GATA3 Recombinant Mouse Monoclonal Antibody (rGATA3/3870).



Formalin-fixed, paraffin-embedded human lobular breast carcinoma stained with GATA-3 Recombinant Mouse Monoclonal Antibody (rGATA3/3870). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

### Specificity & Comments

GATA-3 (GATA binding protein 3) is a member of the GATA family of transcription factors. This 50kDa 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.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Cytokine Signaling, Immunology, Nuclear Marker, Signal Transduction, Transcription Factors