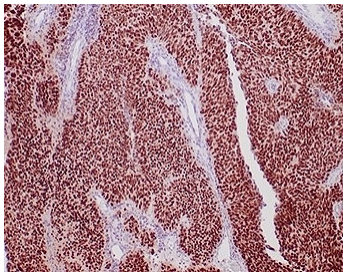
Recombinant GATA Binding Protein 3 Antibody / GATA-3 [clone rGATA3/3870] (V4017)

Catalog No.	Formulation	Size
V4017-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4017-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4017SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

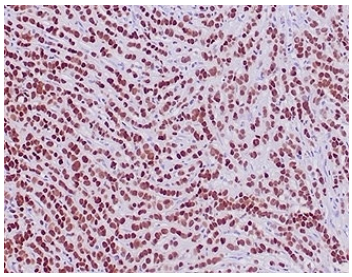
Recombinant | MOUSE MONOCLONAL

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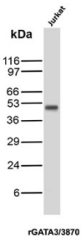
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rGATA3/3870
Purity	Protein A/G affinity
UniProt	P23771
Localization	Nucleus
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant GATA Binding Protein 3 antibody is available for research use only.



Recombinant GATA Binding Protein 3 Antibody Urothelial Carcinoma IHC. Immunohistochemistry analysis of FFPE human urothelial carcinoma tissue stained with recombinant GATA Binding Protein 3 antibody clone rGATA3/3870 demonstrates strong diffuse nuclear HRP-DAB brown staining throughout malignant urothelial cell populations, consistent with the established role of GATA binding protein 3 / GATA3 in urothelial differentiation and epithelial lineage-associated transcriptional regulation. The extensive nuclear staining pattern supports the utility of GATA3 as a marker of urothelial epithelial identity in bladder carcinoma-associated tissue studies. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Recombinant GATA Binding Protein 3 Antibody Lobular Breast Carcinoma IHC. Immunohistochemistry analysis of FFPE human lobular breast carcinoma tissue stained with recombinant GATA Binding Protein 3 antibody clone rGATA3/3870 demonstrates strong diffuse nuclear HRP-DAB brown staining throughout malignant epithelial cell populations, consistent with the established role of GATA binding protein 3 / GATA3 in luminal epithelial differentiation and mammary lineage-associated transcriptional regulation. The extensive nuclear localization pattern supports the use of GATA3 as a marker of breast epithelial identity in carcinoma-associated tissue studies. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Recombinant GATA Binding Protein 3 Antibody Jurkat WB. Western blot analysis of human Jurkat cell lysate using recombinant GATA3 Antibody / GATA Binding Protein 3 Antibody clone rGATA3/3870. A distinct band is detected at approximately 48-50 kDa, consistent with the predicted molecular weight of GATA binding protein 3 / GATA3, a zinc finger transcription factor involved in T-cell differentiation and lineage-specific transcriptional regulation.

Description

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.

For highly selective detection of GATA3 in breast lineage-associated and epithelial differentiation studies, see the GATA3 Antibody / Breast Lineage Marker Antibody clone GATA3/2444 featuring protein microarray specificity validation.

Application Notes

Optimal dilution of the recombinant GATA Binding Protein 3 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant GATA Binding Protein 3 antibody.

Storage

Aliquot the recombinant GATA Binding Protein 3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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