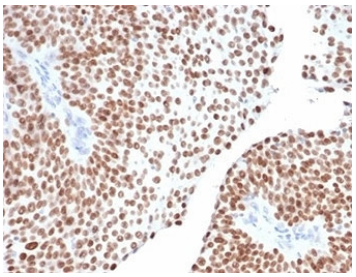
GATA Binding Protein 3 Antibody / GATA-3 [clone GATA3/6664] (V9502)

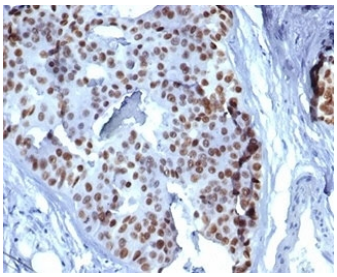
Catalog No.	Formulation	Size
V9502-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9502-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9502SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

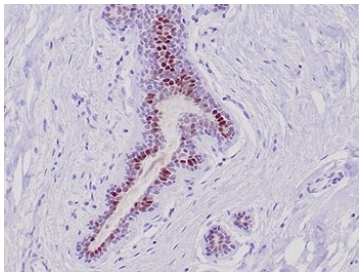
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	GATA3/6664
Purity	Protein A/G affinity
UniProt	P23771
Localization	Nuclear
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This GATA Binding Protein 3 antibody is available for research use only.



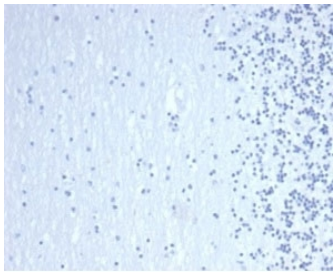
GATA Binding Protein 3 Antibody Bladder IHC. Immunohistochemistry analysis of FFPE human bladder tissue stained with GATA Binding Protein 3 Antibody clone GATA3/6664 demonstrates strong diffuse nuclear HRP-DAB brown staining throughout urothelial epithelial cell populations, consistent with the established role of GATA binding protein 3 / GATA3 in urothelial differentiation and epithelial lineage-associated transcriptional regulation. The prominent nuclear localization pattern aligns with the function of GATA3 as a zinc finger transcription factor commonly expressed in urothelial tissue and bladder-associated epithelial tumors. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



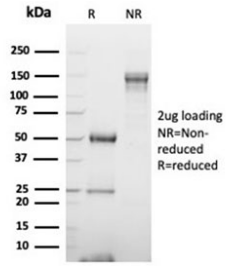
GATA Binding Protein 3 Antibody Lobular Breast Carcinoma IHC. Immunohistochemistry analysis of FFPE human lobular breast carcinoma tissue stained with GATA Binding Protein 3 Antibody clone GATA3/6664 demonstrates strong diffuse nuclear HRP-DAB brown staining throughout malignant epithelial cell populations, consistent with the established role of GATA binding protein 3 / GATA3 in luminal epithelial differentiation and breast lineage-associated transcriptional regulation. The prominent nuclear staining pattern supports the utility of GATA3 as a marker of mammary epithelial identity in breast carcinoma research and pathology-associated studies. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



GATA Binding Protein 3 Antibody Lobular Breast Carcinoma IHC. Immunohistochemistry analysis of FFPE human lobular breast carcinoma tissue stained with GATA Binding Protein 3 Antibody clone GATA3/6664 demonstrates strong nuclear HRP-DAB brown staining within malignant epithelial cell populations arranged in infiltrative glandular and cord-like structures, consistent with the established role of GATA binding protein 3 / GATA3 in luminal epithelial differentiation and mammary lineage-associated transcriptional regulation. The distinct nuclear localization pattern supports the use of GATA3 as a breast epithelial marker 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.



Negative control: IHC staining of FFPE human brain tissue with GATA Binding Protein 3 antibody (clone GATA3/6664) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free GATA Binding Protein 3 antibody (clone GATA3/6664) as confirmation of integrity and purity.

Description

GATA Binding Protein 3 Antibody specifically detects GATA3, 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 GATA Binding Protein 3 antibody should be determined by the researcher.

Immunogen

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

Storage

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

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