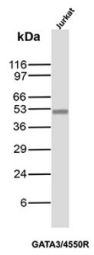
GATA3 Antibody [clone GATA3/4550R] (V9369)

Catalog No.	Formulation	Size
V9369-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9369-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9369SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

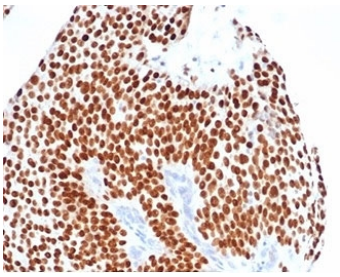
Recombinant RABBIT MONOCLONAL

Bulk quote request

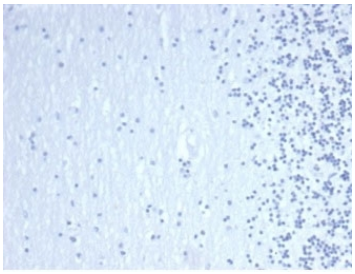
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	GATA3/4550R
Purity	Protein A/G affinity
UniProt	P23771
Localization	Nuclear
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This GATA3 antibody is available for research use only.



GATA3 Antibody Jurkat WB. Western blot analysis of human Jurkat cell lysate using GATA3 Antibody / GATA Binding Protein 3 Antibody clone GATA3/4550R. A distinct band is detected at approximately 48-50 kDa, consistent with the reported molecular weight of GATA binding protein 3 / GATA3, a zinc finger transcription factor involved in T-cell differentiation, immune lineage specification, and epithelial cell transcriptional regulation.



GATA3 Antibody Bladder Carcinoma IHC. Immunohistochemistry staining of FFPE human bladder carcinoma tissue with GATA-3 antibody (clone GATA3/4550R). 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 using recombinant GATA3 antibody (clone GATA3/4550R) 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.

Description

GATA3 Antibody specifically detects GATA binding protein 3, 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 GATA3 antibody should be determined by the researcher.

Immunogen

A conserved peptide between the GATA trans-activation and DNA-binding domain was used as the immunogen for the recombinant GATA3 antibody.

Storage

Aliquot the GATA3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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