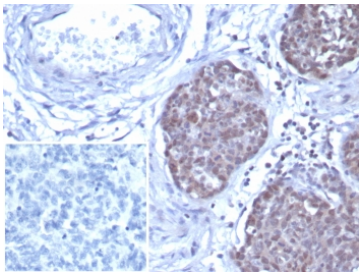
GATA-3 Antibody [clone GATA3/7686R] (V4085)

Catalog No.	Formulation	Size
V4085-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4085-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4085SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

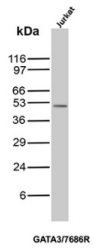
Recombinant RABBIT MONOCLONAL

Bulk quote request

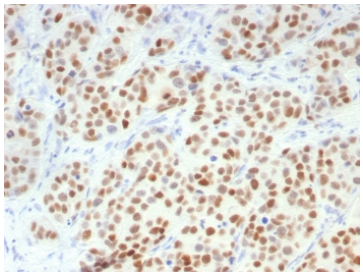
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	GATA3/7686R
Purity	Protein A/G affinity
UniProt	P23771
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT Western blot: 2-4ug/ml
Limitations	This GATA-3 antibody is available for research use only.



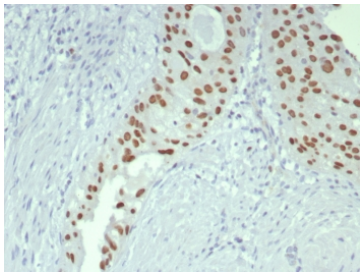
GATA-3 Antibody Ovarian Cancer Tissue IHC. Immunohistochemistry staining of FFPE human ovarian cancer tissue with GATA-3 antibody (clone GATA3/7686R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



GATA-3 Antibody Jurkat WB. Western blot analysis of human Jurkat cell lysate using GATA3 Antibody / GATA Binding Protein 3 Antibody clone GATA3/7686R. 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 lineage commitment, immune differentiation, and epithelial transcriptional regulation.



IHC staining of FFPE human breast carinoma tissue with GATA-3 antibody (clone GATA3/7686R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human bladder tissue with GATA-3 antibody (clone GATA3/7686R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 GATA-3 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein (within amino acids 150-250) from the human protein was used as the immunogen for the GATA-3 antibody.

Storage

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

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