

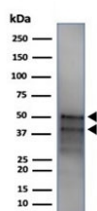
Recombinant GATA3 Antibody [clone GATA3/4550R] (V9369)

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

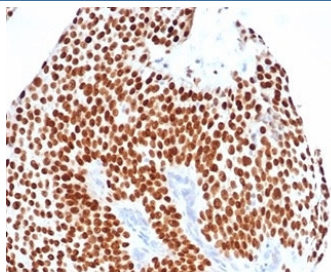
Recombinant **RABBIT MONOCLONAL**

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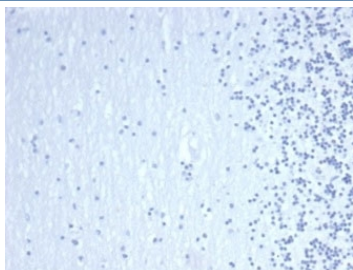
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	GATA3/4550R
Purity	Protein A/G affinity
UniProt	P23771
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 1-2ug/ml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



Western blot testing of human MCF7 cell lysate with recombinant GATA3 antibody (clone GATA3/4550R). Observed molecular weight: ~50 kDa (full length), ~37 kDa (splice form).



IHC staining of FFPE human bladder carcinoma tissue with recombinant 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

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.

Application Notes

Optimal dilution of the recombinant 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 recombinant GATA3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.