

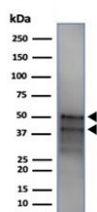
Recombinant GATA3 Antibody [clone GATA3/4550R] (V9369)

| 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 |

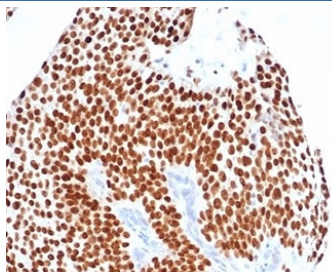
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

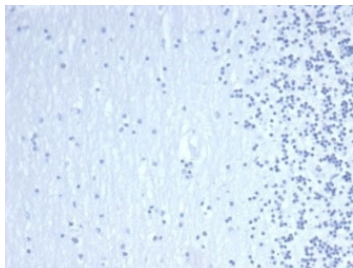
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human, Rat |
| Format | Purified |
| Host | Rabbit |
| Clonality | Recombinant Rabbit Monoclonal |
| Isotype | Rabbit IgG, kappa |
| Clone Name | GATA3/4550R |
| Purity | Protein A/G affinity |
| UniProt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