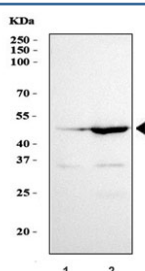


## GATA5 Antibody (R31613)

Catalog No.	Formulation	Size
R31613	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	140628
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This GATA5 antibody is available for research use only.



Western blot testing of human 1) 293T and 2) HepG2 cell lysate with GATA5 antibody.  
Predicted molecular weight: ~41kDa.

## Description

Transcription factor GATA-5, also named GATAS, is a protein that in humans is encoded by the GATA5 gene. It is mapped to 20q13.33. The protein encoded by this gene is a transcription factor that contains two GATA-type zinc fingers. The encoded protein is known to bind to hepatocyte nuclear factor-1alpha (HNF-1alpha), and this interaction is essential for cooperative activation of the intestinal lactase-phlorizin hydrolase promoter. In other organisms, similar proteins may be involved in the establishment of cardiac smooth muscle cell diversity. In addition, the expression of GATA5 increased in a human colon cancer cell line within two hours of exposure to sodium butyrate, which induces differentiation.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GATA5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 1-397) was used as the immunogen for this GATA5 antibody.

## Storage

After reconstitution, the GATA5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.