

**Anti-GATA5 Picoband Antibody**  
**Catalog # ABO11891****Specification**

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**Anti-GATA5 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9BWX5</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Transcription factor GATA-5(GATA5) detection. Tested with WB in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-GATA5 Picoband Antibody - Additional Information**

**Gene ID** 140628

**Other Names**

Transcription factor GATA-5, GATA-binding factor 5, GATA5 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=15802" target="\_blank">HGNC:15802</a>)

**Calculated MW**

41299 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Rat, Human<br>

**Subcellular Localization**

Nucleus .

**Protein Name**

Transcription factor GATA-5

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

E.coli-derived human GATA5 recombinant protein (Position: M1-A397). Human GATA5 shares 75% amino acid (aa) sequence identity with mouse GATA5.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Contains 2 GATA-type zinc fingers.

**Anti-GATA5 Picoband Antibody - Protein Information**

**Name** GATA5 ([HGNC:15802](#))

**Function**

Transcription factor required during cardiovascular development (PubMed:[23289003](http://www.uniprot.org/citations/23289003)). Plays an important role in the transcriptional program(s) that underlies smooth muscle cell diversity (By similarity). Binds to the functionally important CEF-1 nuclear protein binding site in the cardiac-specific slow/cardiac troponin C transcriptional enhancer (PubMed:[25543888](http://www.uniprot.org/citations/25543888)).

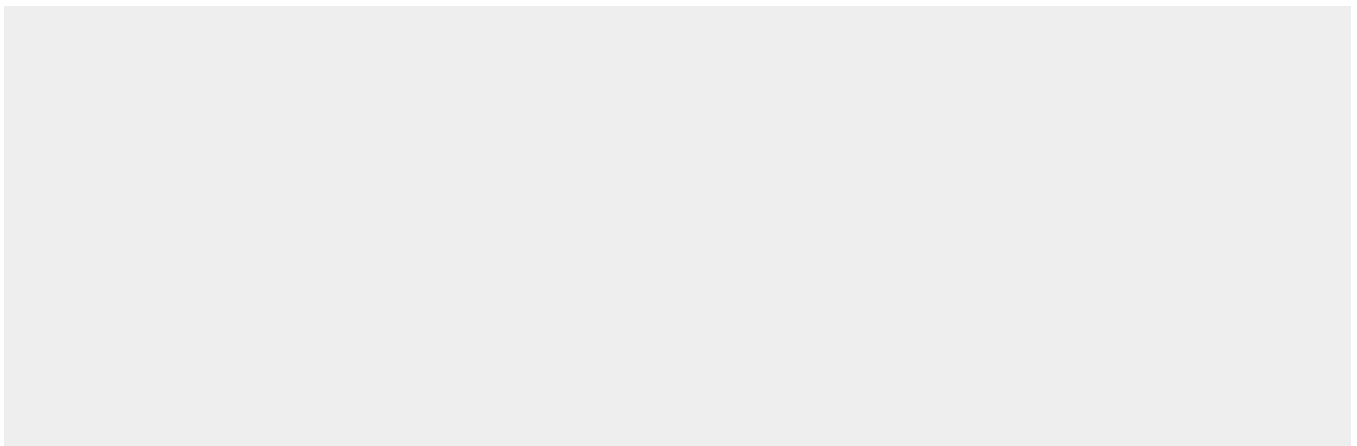
**Cellular Location**

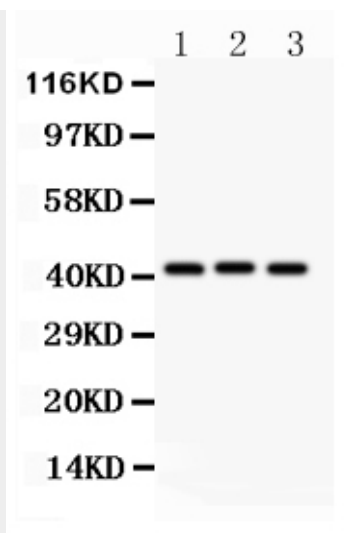
Nucleus.

**Anti-GATA5 Picoband Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-GATA5 Picoband Antibody - Images**



Anti- GATA5 antibody, ABO11891, Western blottingAll lanes: Anti GATA5 (ABO11891) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Brain Tissue Lysate at 50ugLane 3: Rat Ovary Tissue Lysate at 50ugPredicted bind size: 42KDObserved bind size: 42KD

#### **Anti-GATA5 Picoband Antibody - Background**

Transcription factor GATA-5, also named GATAS or GATA5, 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 2 hours of exposure to sodium butyrate, which induces differentiation.