

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

Application	WB
Primary Accession	Q9BWX5
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 (HGNC:15802)

Calculated MW

41299 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Rat, Human

Subcellular Localization

Nucleus .

Protein Name

Transcription factor GATA-5

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r°Constitution, 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

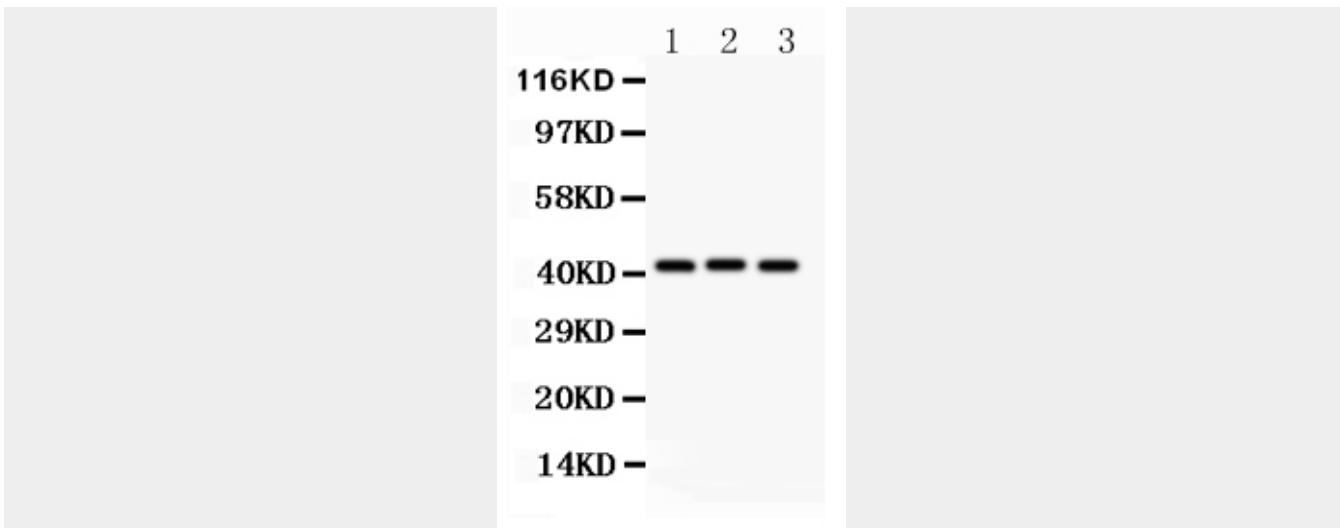
Nucleus.

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 blotting
All lanes: Anti GATA5 (ABO11891) at 0.5ug/ml
Lane 1: Rat Liver Tissue Lysate at 50ug
Lane 2: Rat Brain Tissue Lysate at 50ug
Lane 3: Rat Ovary Tissue Lysate at 50ug
Predicted bind size: 42KD
Observed 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.