

Anti-GATA5 Picoband Antibody

Catalog # ABO11891

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.

Additional Information

Gene ID	140628
Other Names	Transcription factor GATA-5, GATA-binding factor 5, GATA5 (HGNC:15802)
Calculated MW	41299
Application Details	Western blot, 0.1-0.5 µg/ml, Rat, Human
Subcellular Localization	Nucleus .
Source	Eukaryota
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 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.

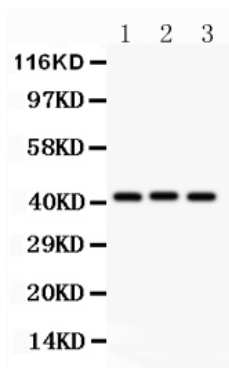
Protein Information

Name	GATA5 (HGNC:15802)
Function	Transcription factor required during cardiovascular development (PubMed: 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).
Cellular Location	Nucleus.

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.