

GATA5 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1612a**Specification****GATA5 Antibody - Product Information**

Application	E, WB
Primary Accession	Q9BWX5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	41kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human GATA5 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

GATA5 Antibody - Additional Information

Gene ID 140628

Other Names

Transcription factor GATA-5, GATA-binding factor 5, GATA5

Dilution

E~~1/10000

WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GATA5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GATA5 Antibody - 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.

GATA5 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](#)

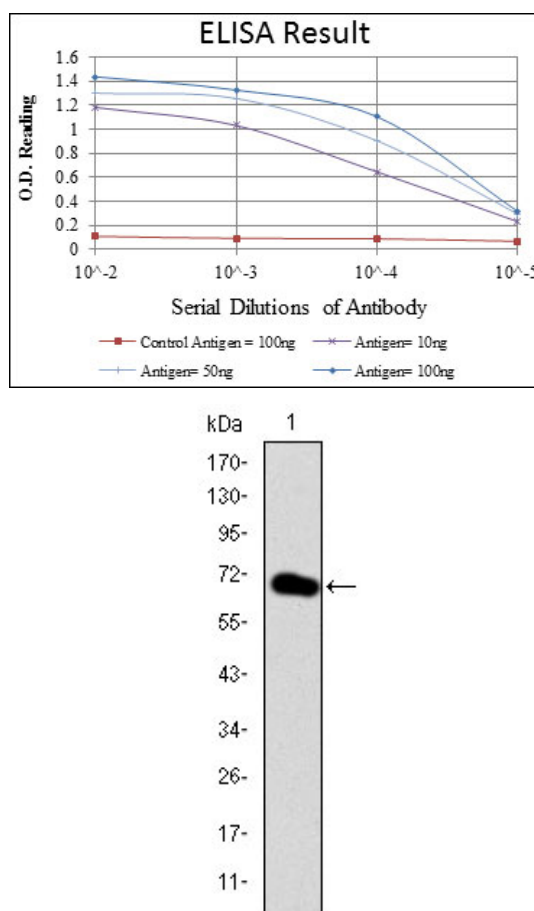


Figure 1: Western blot analysis using GATA5 mAb against human GATA5 (AA: 168-391) recombinant

protein. (Expected MW is 49.6 kDa)

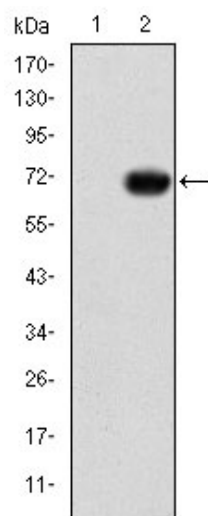


Figure 2: Western blot analysis using GATA5 mAb against HEK293 (1) and GATA5-hlgFc transfected HEK293 (2) cell lysate.

GATA5 Antibody - References

1. Clin Cancer Res. 2009 Jun 15;15(12):3990-7.
2. World J Gastroenterol. 2010 Mar 14;16(10):1201-8.