

GATA5 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1612a

Product Information

Application	WB, E
Primary Accession	Q9BWX5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1B11
Isotype	IgG1
Calculated MW	41299
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.

Additional Information

Gene ID	140628
Other Names	Transcription factor GATA-5, GATA-binding factor 5, GATA5
Dilution	WB~~1/500 - 1/2000 E~~1/10000
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.

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.

References

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

Images

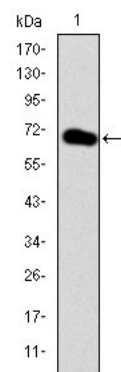


Figure 1: Western blot analysis using GATA5 mAb against human GATA5 (AA: 168-391) recombinant protein. (Expected MW is 49.6 kDa)

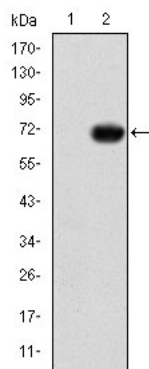


Figure 2: Western blot analysis using GATA5 mAb against HEK293 (1) and GATA5-hIgGFc transfected HEK293 (2) cell lysate.

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