

Goat Anti-GATA5 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1467a**Specification**

Goat Anti-GATA5 Antibody - Product Information

Application	WB
Primary Accession	O9BWX5
Other Accession	NP_536721 , 140628
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	41299

Goat Anti-GATA5 Antibody - Additional Information**Gene ID** 140628**Other Names**

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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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

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

Goat Anti-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.

Goat Anti-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](#)

Goat Anti-GATA5 Antibody - Images

AF1467a (0.3 µg/ml) staining of HepG2 cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GATA5 Antibody - Background

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.

Goat Anti-GATA5 Antibody - References

Methylation of GATA-4 and GATA-5 and development of sporadic gastric carcinomas. Wen XZ, et al. World J Gastroenterol, 2010 Mar 14. PMID 20222162.

GATA4 and GATA5 are potential tumor suppressors and biomarkers in colorectal cancer.

Hellebrekers DM, et al. Clin Cancer Res, 2009 Jun 15. PMID 19509152.

Evaluation of GATA-4 and GATA-5 methylation profiles in human pancreatic cancers indicate promoter methylation patterns distinct from other human tumor types. Fu B, et al. Cancer Biol Ther, 2007 Oct. PMID 17912029.

Hypermethylation of the GATA gene family in esophageal cancer. Guo M, et al. Int J Cancer, 2006 Nov 1. PMID 16823849.

Involvement of GATA-4/-5 transcription factors in ovarian carcinogenesis. Wakana K, et al. Cancer Lett, 2006 Sep 28. PMID 16337738.