

**Goat Anti-c-Myb (aa281-294) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1700a

**Specification**

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**Goat Anti-c-Myb (aa281-294) Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P10242</a>
Other Accession	<a href="#">NP_005366</a> , <a href="#">4602</a> , <a href="#">17863 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	72341

**Goat Anti-c-Myb (aa281-294) Antibody - Additional Information**

**Gene ID** 4602

**Other Names**

Transcriptional activator Myb, Proto-oncogene c-Myb, MYB

**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-c-Myb (aa281-294) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-c-Myb (aa281-294) Antibody - Protein Information**

**Name** MYB

**Function**

Transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00625, ECO:0000269|PubMed:19646965}

## Goat Anti-c-Myb (aa281-294) Antibody - Protocols

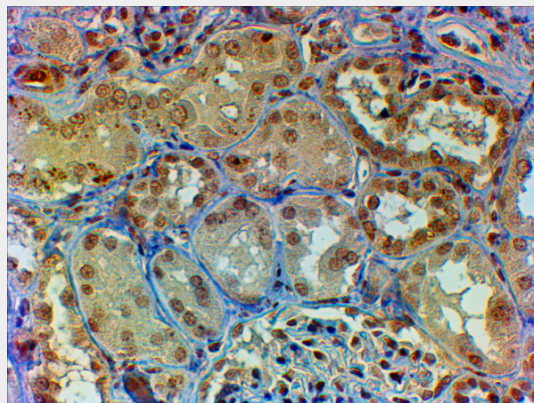
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Goat Anti-c-Myb (aa281-294) Antibody - Images



AF1700a (x  $\mu\text{g/ml}$ ) staining of Human Colon lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1700a (2  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

## Goat Anti-c-Myb (aa281-294) Antibody - Background

This gene encodes a transcription factor that is a member of the MYB family of transcription factor genes. The protein contains three domains, an N-terminal DNA-binding domain, a central transcriptional activation domain and a C-terminal domain involved in transcriptional repression. This protein plays an essential role in the regulation of hematopoiesis and may play a role in tumorigenesis. Alternative splicing results in multiple transcript variants.

### **Goat Anti-c-Myb (aa281-294) Antibody - References**

Analyses of shared genetic factors between asthma and obesity in children. Meln E, et al. J Allergy Clin Immunol, 2010 Sep. PMID 20816195.

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Mitochondrial Hep27 is a c-Myb target gene that inhibits Mdm2 and stabilizes p53. Deisenroth C, et al. Mol Cell Biol, 2010 Aug. PMID 20547751.

A human B-cell interactome identifies MYB and FOXM1 as master regulators of proliferation in germinal centers. Lefebvre C, et al. Mol Syst Biol, 2010 Jun 8. PMID 20531406.

The XmnI (G)gamma polymorphism influences hemoglobin F synthesis contrary to BCL11A and HBS1L-MYB SNPs in a cohort of 57 beta-thalassemia intermedia patients. Nguyen TK, et al. Blood Cells Mol Dis, 2010 Aug 15. PMID 20472475.