

Product datasheet for **AP09406PU-S**

Myb Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/10,000 – 1/25,000. Western Blot: 1/250 – 1/1000.
Reactivity:	Chimpanzee, Equine, Human, Monkey, Mouse, Opossum, Orang-Utan, Porcine, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide corresponding to an internal portion of the c-Myb protein
Specificity:	This antibody reacts with endogenous c-Myb protein and also SUMOylated overexpressed c-Myb protein in transfected Cos7 cells.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Storage Conditions for Trial Size:

This vial contains a relatively low volume of reagent (25 µl). To minimize loss of volume dilute 1:10 by adding 225 µl of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Stability:	Shelf life: 3 month from despatch.
Gene Name:	myeloblastosis oncogene



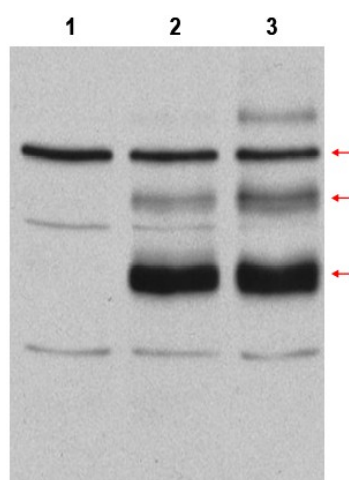
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Database Link: [Entrez Gene 17863 Mouse P06876](#)

Background: The transcription factor c-Myb plays an important role in the development of all hematopoietic lineages during definitive hematopoiesis. Its critical role in hematopoiesis has been first demonstrated in experiments with targeted disruption of the c-Myb gene where deletion of both alleles of the c-Myb gene was embryonally lethal due to severe anemia. c-Myb is a short-lived sequence specific DNA-binding protein that regulates transcription of several important genes involved directly in cellular processes such as proliferation, differentiation, and apoptosis. Posttranslational modifications such as phosphorylation, acetylation, ubiquitination, and conjugation of SUMO proteins are crucial for modulation of the transactivation activity of c-Myb.

Synonyms: c-Myb

Product images:



Western blot using affinity purified anti-C-Myb antibody in Cos7 cell lysates: Lane 1: vector; Lane 2: transfected with c-myb, no treatment; Lane 3: transfected with c-Myb and heat stress-treated (incubation at 42°C for 30minutes) to induce c-Myb modification. Lane 3 shows detection of bands at 75, 98, and 125kDa corresponding to overexpressed c-Myb (arrows): wild-type, with one attached SUMO molecule, and with two attached SUMO molecules, respectively. Nitrocellulose 0.45µm membrane was blocked for 1 hr at RT in 10% BLOTTO in PBS. The primary antibody was used at 1:500.