

**Myb Sumoylation Site Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2500a**

## Specification

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### Myb Sumoylation Site Antibody - Product Information

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P10242</a>
Reactivity	<b>Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>72341</b>
Antigen Region	<b>506-534</b>

### Myb Sumoylation Site Antibody - Additional Information

**Gene ID** 4602

#### Other Names

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

#### Target/Specificity

This Myb Sumoylation Site antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 506-534 amino acids from human Myb Sumoylation Site.

#### Dilution

WB~~1:1000  
IHC-P~~1:50~100

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

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

#### Precautions

Myb Sumoylation Site Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Myb Sumoylation Site 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

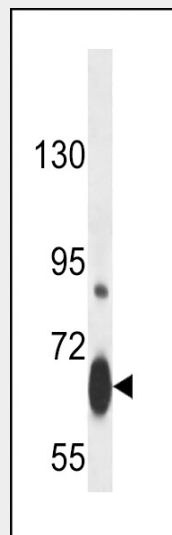
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00625, ECO:0000269|PubMed:19646965}

#### Myb Sumoylation Site Antibody - Protocols

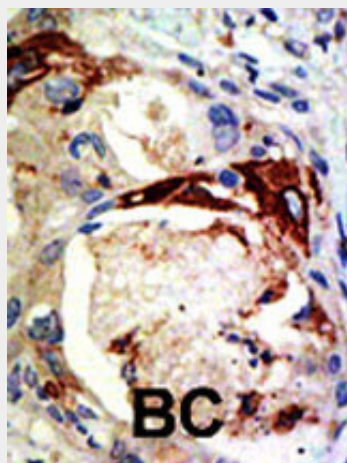
Provided below are standard protocols that you may find useful for product applications.

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

#### Myb Sumoylation Site Antibody - Images



Myb Antibody (Sumo) (Cat. #AP2500a) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the Myb antibody detected the Myb protein (arrow).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

### **Myb Sumoylation Site Antibody - Background**

Myb is a transcriptional activator; DNA-binding protein that recognizes the sequence 5'-YAAC[GT]G-3'. It participates in the control of proliferation and differentiation of hematopoietic progenitor cells. Myb is a transcription factor related to Myc, and is expressed predominantly in haematopoietic cells and immature gastroepithelial cells. TRAF7 stimulates the sumoylation of Myb at Lys-523 and Lys-499, which are the same sites as those used for PIASy-induced sumoylation. A correlation has been established between reduction in sumoylation of Myb and increase in transcriptional activation. Negative influence on transactivation properties by the negative regulatory domain region of c-Myb depends on upon sumoylation.

### **Myb Sumoylation Site Antibody - References**

- Luchetti, M.M., et al., J. Biol. Chem. 278(3):1533-1541 (2003).  
Dahle, O., et al., Eur. J. Biochem. 270(6):1338-1348 (2003).  
Chen, J., et al., Oncogene 21(12):1859-1869 (2002).  
Hernandez-Munain, C., et al., J. Immunol. 169(8):4362-4369 (2002).  
Tanno, B., et al., J. Biol. Chem. 277(26):23172-23180 (2002).