

# **Myb Sumoylation Site Antibody**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2500a

# **Specification**

# **Myb Sumoylation Site Antibody - Product Information**

IHC-P, WB,E Application **Primary Accession** P10242 Reactivity Mouse Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 72341 Antigen Region 506-534

# **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**

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

E~~Use at an assay dependent concentration.

### **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





Tel: 858.875.1900 Fax: 858.875.1999

5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.

#### **Cellular Location**

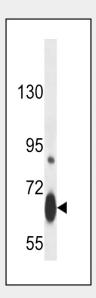
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00625, ECO:0000269|PubMed:19646965}

# **Myb Sumoylation Site Antibody - Protocols**

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

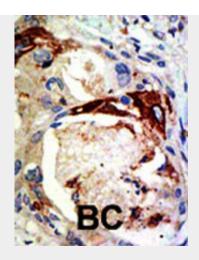
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **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).