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

Specification

Myb Sumoylation Site Antibody - Product Information

Application	**IHC-P, WB,E**
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

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

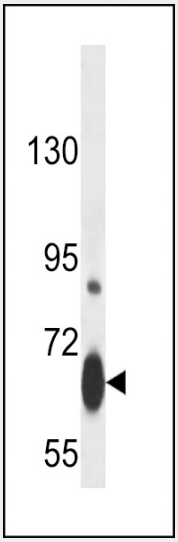
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00625, ECO:0000269|PubMed:19646965}

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 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).

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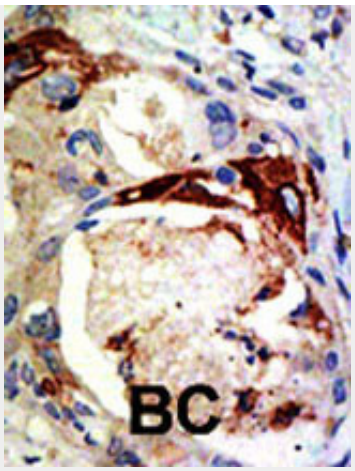

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast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

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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).