

Rabbit anti-Mouse Myb Sumoylation Site Polyclonal Antibody | anti-MYB antibody

Myb Sumoylation Site Antibody

CATALOG # AAA287805	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

Myb Sumoylation Site; Polyclonal Antibody; Myb Sumoylation Site Antibody; Transcriptional activator Myb; Proto-oncogene c-Myb; MYB; anti-MYB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.32 (varies by lot)
Sequence Positions	506-534
Sequence Length	323
Applicable Applications for anti-MYB antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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



IHC (Immunohistochemistry)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-MYB antibody	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.
Product Categories/Family for anti-MYB antibody	Cancer
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	194328727
NCBI GeneID	4602
NCBI Accession #	NP_001123644.1; NP_001123645.1; NP_001155128.1; NP_001155129.1; NP_001155130.1; NP_001155131.1; NP_001155132.1; NP_005366.2
NCBI GenBank Nucleotide #	NM_001130172.1
UniProt Accession #	P10242; P78391; P78392; P78525; P78526; Q14023; Q14024; E9PI07; E9PLZ5; E9PNA4; E9PNL6; E9PRS2
Molecular Weight	72341
NCBI Official Full Name	transcriptional activator Myb isoform 3
NCBI Official Synonym Full Names	v-myb avian myeloblastosis viral oncogene homolog
NCBI Official Symbol	MYB
NCBI Official Synonym Symbols	efg; Cmyb; c-myb; c-myb_CDS
NCBI Protein Information	transcriptional activator Myb
UniProt Protein Name	Transcriptional activator Myb
UniProt Gene Name	MYB
UniProt Entry Name	MYB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.