

Rabbit B-Myb Polyclonal Antibody | anti-B-Myb antibody

Phospho-B-Myb (Thr494) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329634	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%), Xenopus (89%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

B-Myb; Polyclonal Antibody; Phospho-B-Myb (Thr494) Antibody; BMyB; MGC15600; MYB L2; Myb related protein B; Myb-like protein 2; Myb-related protein B; MybB; MYBB_HUMAN; MYBL 2; Mybl2; v myb avian myeloblastosis viral oncogene homolog like 2; v myb myeloblastosis viral oncogene homolog (avian) like 2; v myb myeloblastosis viral oncogene homolog like 2; anti-B-Myb antibody

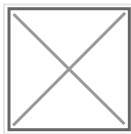
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%), Xenopus (89%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-B-Myb (Thr494) Antibody detects endogenous levels of B-Myb only when phosphorylated at Thr494.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-B-Myb antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human B-Myb around the phosphorylation site of Thr494.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated by cyclin A/CDK2 during S-phase. Phosphorylation at Thr-520 is probably involved in transcriptional activity.
Subunit Structure	Component of the DREAM complex (also named LINC complex) at least composed of E2F4, E2F5, LIN9, LIN37, LIN52, LIN54, MYBL1, MYBL2, RBL1, RBL2, RBBP4, TFDP1 and TFDP2. The complex exists in quiescent cells where it represses cell cycle-dependent genes. It dissociates in S phase when LIN9, LIN37, LIN52 and LIN54 form a subcomplex that binds to MYBL22.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/200 staining Human breast tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Staining Rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of B-Myb (Phospho-Thr494) using Nocodazole treated A549 whole cell lysates. -/+ means absence or presence of N peptide(1/4 non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-B-Myb antibody	Transcription factor involved in the regulation of cell survival, proliferation, and differentiation. Transactivates the expression of the CLU gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505293
NCBI GeneID	4605
NCBI Accession #	NP_002457.1
NCBI GenBank Nucleotide #	NM_002466.2
UniProt Accession #	P10244; B2RBS5
Molecular Weight	78,764 Da
NCBI Official Full Name	myb-related protein B
NCBI Official Synonym Full Names	v-myb myeloblastosis viral oncogene homolog (avian)-like 2
NCBI Official Symbol	MYBL2
NCBI Official Synonym Symbols	BMYP; B-MYP
NCBI Protein Information	myb-related protein B; myb-like protein 2; v-myb avian myeloblastosis viral oncogene homolog-like 2
UniProt Protein Name	Myb-related protein B
UniProt Gene Name	MYBL2
UniProt Synonym Gene Names	BMYP; B-Myb
UniProt Entry Name	MYBB_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.