

**B-Myb (phospho Ser577) Polyclonal Antibody**

<b>Catalog No :</b>	YP0540
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	B-Myb
<b>Fields :</b>	>>Cellular senescence
<b>Gene Name :</b>	MYBL2
<b>Protein Name :</b>	Myb-related protein B
<b>Human Gene Id :</b>	4605
<b>Human Swiss Prot No :</b>	P10244
<b>Mouse Gene Id :</b>	17865
<b>Mouse Swiss Prot No :</b>	P48972
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human B-Myb around the phosphorylation site of Ser577/581. AA range:551-600
<b>Specificity :</b>	Phospho-B-Myb (S577) Polyclonal Antibody detects endogenous levels of B-Myb protein only when phosphorylated at S577.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 80kD

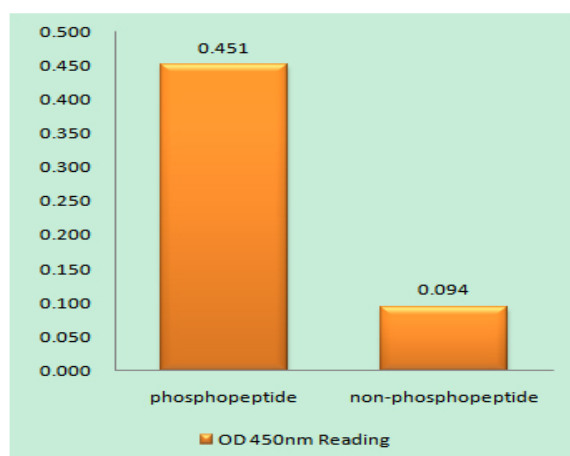
**Background :** The protein encoded by this gene, a member of the MYB family of transcription factor genes, is a nuclear protein involved in cell cycle progression. The encoded protein is phosphorylated by cyclin A/cyclin-dependent kinase 2 during the S-phase of the cell cycle and possesses both activator and repressor activities. It has been shown to activate the cell division cycle 2, cyclin D1, and insulin-like growth factor-binding protein 5 genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013],

**Function :** function:Transcription factor involved in the regulation of cell survival, proliferation, and differentiation. Transactivates the expression of the CLU gene.,PTM:Phosphorylated by cyclin A/CDK2 during S-phase. Phosphorylation at Thr-520 is probably involved in transcriptional activity.,similarity:Contains 3 HTH myb-type DNA-binding domains.,subunit: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 MYBL2.,

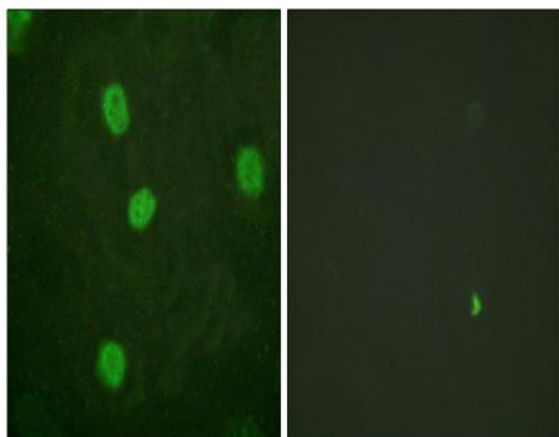
**Subcellular Location :** Nucleus.

**Expression :** Brain,Epithelium,Eye,

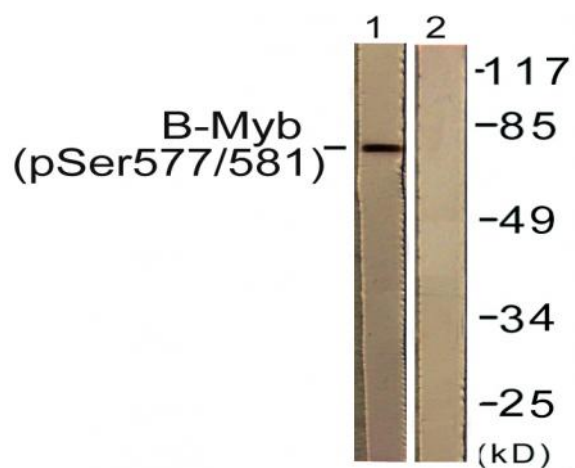
## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using B-Myb (Phospho-Ser577/581) Antibody



Immunofluorescence analysis of HeLa cells, using B-Myb (Phospho-Ser577/581) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells, using B-Myb (Phospho-Ser577/581) Antibody. The lane on the right is blocked with the phospho peptide.