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# Rabbit Anti-phospho-B MyB (Thr487) antibody

SL12554R

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| **Product Name:** | phospho-B MyB (Thr487) |
| **Chinese Name:** | 磷酸化转录因子MYB相关蛋白B抗体 |
| **Alias:** | B MyB (phospho T487); B MyB (phospho T487);B-Myb; BMyB; 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. |
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| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit,Sheep, |
| **Applications:** | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 79kDa |
| **Cellular localization:** | The nucleus |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthesised phosphopeptide derived from human B MyB around the phosphorylation site of Thr487:VT(p-T)PL |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | Myb-Related Protein B (MYBL2), a member of the MYB family of transcription factor |

genes, is a nuclear protein involved in the regulation of cell survival, proliferation, and differentiation. It has been shown to activate the cell division cycle 2, cyclin D1, and insulin-like growth factor-binding protein 5 genes.

**Function:**
Transcription factor involved in the regulation of cell survival, proliferation, and differentiation. Transactivates the expression of the CLU gene.

**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 MYBL22.

**Subcellular Location:**
Nucleus.

**Post-translational modifications:**
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.

**SWISS:**
P10244

**Gene ID:**
4605

**Database links:**

Entrez Gene: 4605Human

Entrez Gene: 17865Mouse

Entrez Gene: 296344Rat

Omim: 601415Human

SwissProt: P10244Human

SwissProt: P48972Mouse

Unigene: 179718Human

Unigene: 4594Mouse

Unigene: 20824Rat

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| | **Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |