

# Product Datasheet

## c-Myb [p Thr486] Antibody - BSA Free NBP2-21659

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP2-21659**

c-Myb [p Thr486] Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Product Description**

<b>Description</b>	<p>This affinity-purified antibody is directed against the phosphorylated form of mouse c-Myb protein at the [p Thr486] residue. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	4602
<b>Gene Symbol</b>	MYB
<b>Species</b>	Mouse
<b>Reactivity Notes</b>	A BLAST analysis was used to suggest reactivity with c-Myb from mouse based on a 100% homology with the immunizing sequence. Expect reactivity with c-Myb from rat, pig, human, horse, platypus, opossum, orangutan, spider monkey, bonobo, gorilla, and chimpanzee; with a v-myb myeloblastosis viral oncogene homolog, all isoforms (also avian version) from human; and with a protooncogene c-myb, and a v-myb myeloblastosis viral oncogene homolog (avian), both from cattle, all based on a 93% homology with the immunizing sequence. Cross-reactivity with c-Myb from other sources has not been determined.



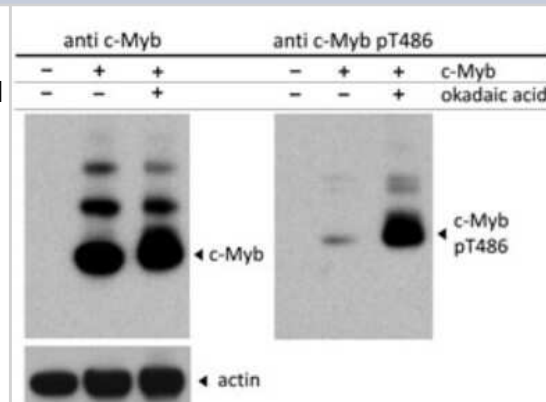
<b>Specificity/Sensitivity</b>	This affinity-purified antibody is directed against the phosphorylated form of mouse c-Myb protein at the pT486 residue. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against mouse c-Myb pT486 protein and the antibody is specific for the phosphorylated form of the protein. This antibody reacts with endogenous c-Myb protein and also SUMOylated overexpressed c-Myb protein in transfected Cos7 cells. Reactivity with non-phosphorylated mouse c-Myb is minimal by ELISA and western blot. A BLAST analysis was used to suggest reactivity with c-Myb from mouse based on a 100% homology with the immunizing sequence. Expect reactivity with c-Myb from rat, pig, human, horse, platypus, opossum, orangutan, spider monkey, bonobo, gorilla, and chimpanzee; with a v-myb myeloblastosis viral oncogene homolog, all isoforms (also avian version) from human; and with a protooncogene c-myb, and a v-myb myeloblastosis viral oncogene homolog (avian), both from cattle, all based on a 93% homology with the immunizing sequence. Cross-reactivity with c-Myb from other sources has not been determined.
<b>Immunogen</b>	This affinity purified c-Myb [p Thr486] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of mouse c-Myb protein surrounding amino acid residue 486. (Uniprot: P06876)

### Product Application Details

<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:2500, ELISA 1:5000-1:16000
<b>Application Notes</b>	This affinity purified antibody has been tested for use in ELISA and western blotting using M1 cells which express endogenous wild-type c-Myb protein and in COS7 cells transfected with c-Myb. Specific conditions for reactivity and detection of phosphorylated c-Myb should be optimized by the end user. Expect a band approximately ~75 kDa in size corresponding to phosphorylated c-Myb by western blotting in the appropriate cell lysate or extract.

### Images

Western Blot: c-Myb [p Thr486] Antibody [NBP2-21659] - Rabbit c-Myb pT486 antibody. Lane 1: Cos7 cells were either null for c-Myb. Lane 2: Cos7 cell lysates transfected with c-myb, no treatment. Lane 3: Cos7 cell lysates transfected with c-Myb and treated with okadaic acid to include phosphorylation of c-Myb. Load: 35 ug per lane. The left blot was probed with anti-c-Myb antibody, the right blot was probed with anti-c-Myb pT486 antibody at 1:2500 for overnight at 4C. Secondary antibody: Dye800 rabbit secondary antibody at 1:10000 for 45 min at RT. Block: PBS-Tween overnight at 4C. Predicted/Observed size: 75, 98, and 125kDa corresponding to overexpressed c-Myb: wild-type, with one attached SUMO molecule, and with two attached SUMO molecules, respectively.





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### **Products Related to NBP2-21659**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004602-Q01-10ug	Recombinant Human c-Myb GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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