

## Product datasheet

# Anti-B MyB (phospho T487) antibody [EPR2204Y] - ChIP Grade ab76009

Recombinant RabMAb

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### Overview

<b>Product name</b>	Anti-B MyB (phospho T487) antibody [EPR2204Y] - ChIP Grade
<b>Description</b>	Rabbit monoclonal [EPR2204Y] to B MyB (phospho T487) - ChIP Grade
<b>Specificity</b>	ab76009 detects B MyB phosphorylated on threonine 487.
<b>Tested applications</b>	<b>Suitable for:</b> ChIP, ICC/IF, Flow Cyt, WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	A phospho specific peptide corresponding to residues surrounding threonine 487 of human B MyB.
<b>Positive control</b>	<div style="border: 1px solid #ccc; padding: 5px; display: inline-block;"> <a href="#">Purchase matching WB positive control: Recombinant Human B MyB protein &gt;</a> </div> <p>Raji cell lysate treated with TPA + IGF. Human urinary bladder carcinoma tissue. HeLa cells.</p>
<b>General notes</b>	<p>This product is a recombinant rabbit monoclonal antibody.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMab<sup>®</sup> patents</a></p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR2204Y
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab76009** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIP		Use at an assay dependent concentration. PubMed: 22391450
ICC/IF		1/100 - 1/250.
Flow Cyt		1/50. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/500 - 1/1000. Predicted molecular weight: 79 kDa.
IP		1/40.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval using 0.01M Sodium Citrate Buffer, pH 6.0 before commencing with IHC staining protocol.

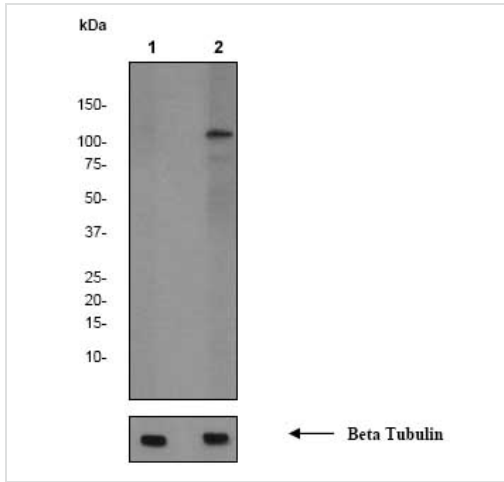
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## Target

<b>Function</b>	Transcription factor involved in the regulation of cell survival, proliferation, and differentiation. Transactivates the expression of the CLU gene.
<b>Sequence similarities</b>	Contains 3 HTH myb-type DNA-binding domains.
<b>Post-translational modifications</b>	Phosphorylated by cyclin A/CDK2 during S-phase. Phosphorylation at Thr-520 is probably involved in transcriptional activity.
<b>Cellular localization</b>	Nucleus.

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## Images



Western blot - B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

**All lanes :** Anti-B MyB (phospho T487) antibody [EPR2204Y] - ChIP Grade (ab76009) at 1/1000 dilution

**Lane 1 :** Raji cell lysate, untreated

**Lane 2 :** Raji cell lysate treated with TPA + IGF

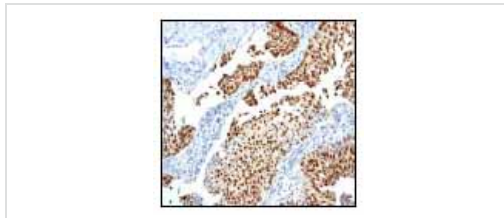
Lysates/proteins at 10 µg per lane.

**Secondary**

Goat anti-rabbit HRP at 1/1000 dilution

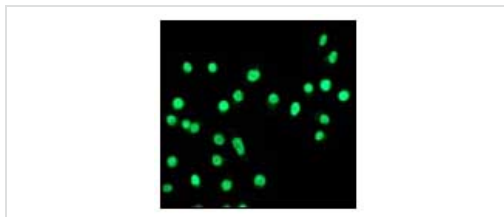
**Predicted band size :** 79 kDa

**Observed band size :** 110 kDa



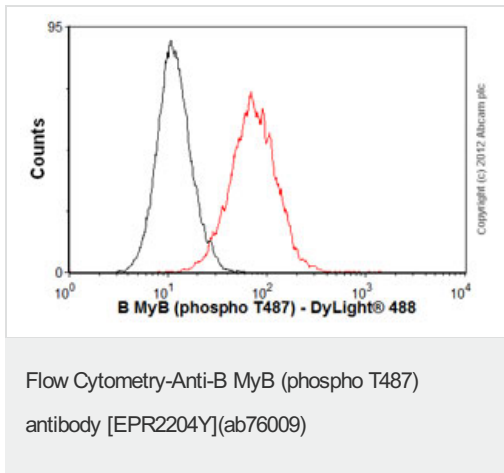
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

ab76009, at 1/100 dilution, staining B MyB in human urinary bladder carcinoma by immunohistochemistry using paraffin-embedded tissue.



Immunocytochemistry/ Immunofluorescence - B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

ab76009, at 1/100 dilution, staining B MyB in HeLa cells by immunofluorescence.



Overlay histogram showing HeLa cells stained with ab76009 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab76009, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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