

Product datasheet

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

Recombinant RabMAB

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Overview

<b>Product name</b>	Anti-B MyB (phospho T487) antibody [EPR2204Y]
<b>Description</b>	Rabbit monoclonal [EPR2204Y] to B MyB (phospho T487)
<b>Host species</b>	Rabbit
<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.

Positive control

Purchase matching WB positive control:  
**Recombinant Human B MyB protein** >

Raji cell lysate treated with TPA + IGF. Human urinary bladder carcinoma tissue. HeLa cells.

General notes

Our RabMAB<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab<sup>®</sup> patents](#)

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

This product is a recombinant rabbit monoclonal antibody.

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>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR2204Y
<b>Isotype</b>	IgG

## Applications

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

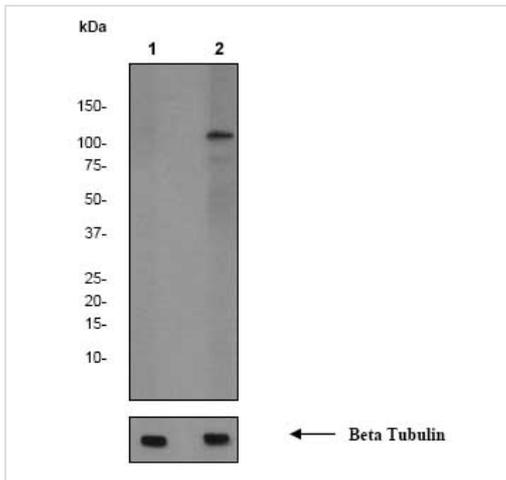
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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.

## 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.

## Images



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

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

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

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

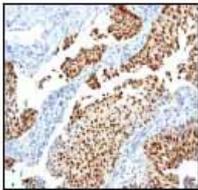
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat anti-rabbit HRP at 1/1000 dilution

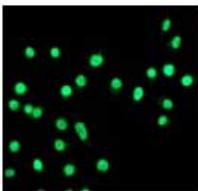
**Predicted band size:** 79 kDa

**Observed band size:** 110 kDa



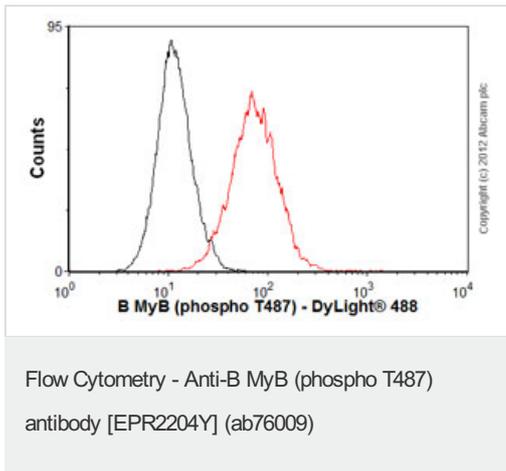
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

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



Immunocytochemistry/ Immunofluorescence - Anti-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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