

Product datasheet

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

Recombinant RabMAb

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Overview

Product name	Anti-B MyB (phospho T487) antibody [EPR2204Y] - ChIP Grade
Description	Rabbit monoclonal [EPR2204Y] to B MyB (phospho T487) - ChIP Grade
Specificity	ab76009 detects B MyB phosphorylated on threonine 487.
Tested applications	Suitable for: ChIP, ICC/IF, Flow Cyt, WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	A phospho specific peptide corresponding to residues surrounding threonine 487 of human B MyB.
Positive control	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> Purchase matching WB positive control: Recombinant Human B MyB protein > </div> <p>Raji cell lysate treated with TPA + IGF. Human urinary bladder carcinoma tissue. HeLa cells.</p>
General notes	<p>This product is a recombinant rabbit monoclonal antibody.</p> <p>Produced using Abcam's RabMAb[®] technology. RabMAb[®] technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.</p>

Properties

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

Applications

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

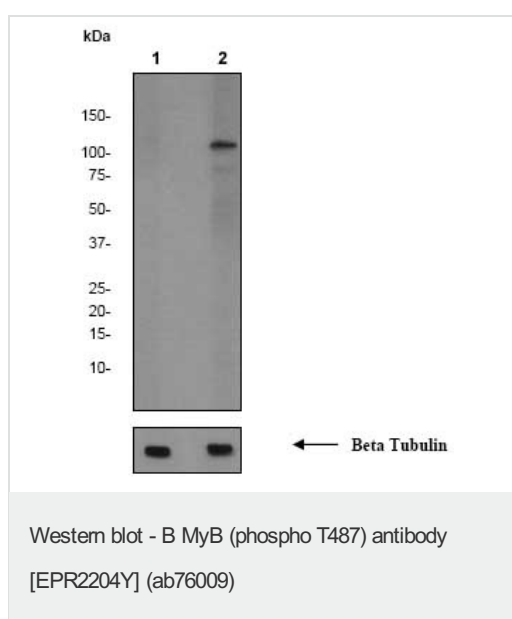
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIP		Use at an assay dependent concentration. PubMed: 22391450
ICC/IF		1/100 - 1/250.
Flow Cyt		1/50. ab172730 - 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

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

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



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

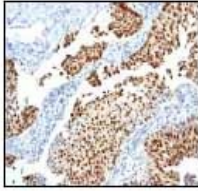
Lysates/proteins at 10 µg per lane.

Secondary

Goat anti-rabbit HRP at 1/1000 dilution

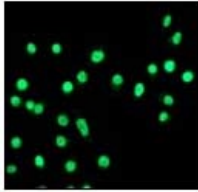
Predicted band size : 79 kDa

Observed band size : 110 kDa



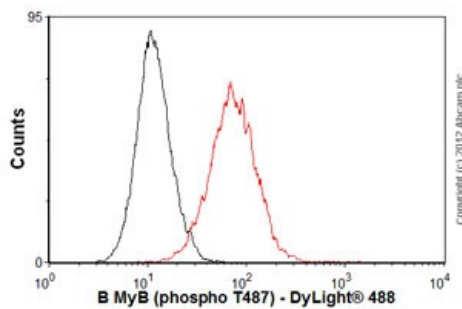
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

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.



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

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/1x10⁶ 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.

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