

## Product datasheet

# Anti-c-Myb (phospho S11) antibody [EP769Y] ab45150

Recombinant **RabMAb**

★★★★☆ 1 Abreviews 43 References 9 Images

### Overview

<b>Product name</b>	Anti-c-Myb (phospho S11) antibody [EP769Y]
<b>Description</b>	Rabbit monoclonal [EP769Y] to c-Myb (phospho S11)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IP, Dot blot <b>Unsuitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human c-Myb aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">P10242</a>
<b>Positive control</b>	WB: Ramos, Molt-4, and HL-60 cell lysate. HeLa cell lysate untreated and treated with lambda phosphatase. IHC-P: Human cervical carcinoma tissue.
<b>General notes</b>	<p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</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> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise<sup>™</sup> guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p>

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## 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>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP769Y
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab45150** 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
WB	★★★★☆	1/1000 - 1/5000. Predicted molecular weight: 72 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/50.
Dot blot		1/1000.

**Application notes** Is unsuitable for Flow Cyt.

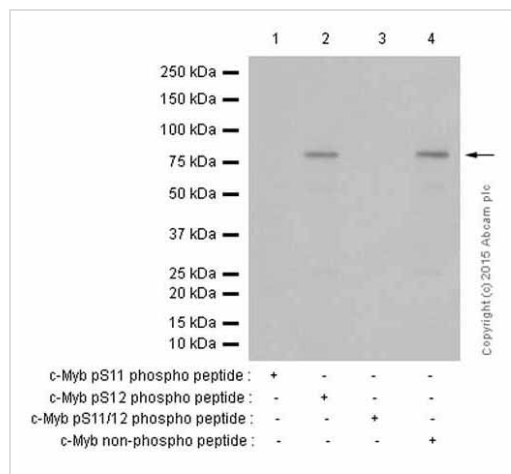
## Target

**Function** Transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.

**Sequence similarities** Contains 3 HTH myb-type DNA-binding domains.

<b>Domain</b>	Comprised of 3 domains; an N-terminal DNA-binding domain, a centrally located transcriptional activation domain and a C-terminal domain involved in transcriptional repression.
<b>Post-translational modifications</b>	Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation. Phosphorylated by NLK on multiple sites, which induces proteasomal degradation.
<b>Cellular localization</b>	Nucleus.

## Images



Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

**All lanes :** Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150) at 1/2000 dilution (purified)

**Lane 1 :** Molt-4 (Human lymphoblastic leukemia cell line) cell lysate with c-Myb (phospho S11) peptide

**Lane 2 :** Molt-4 cell lysate with c-Myb (phospho S12) peptide

**Lane 3 :** Molt-4 cell lysate with c-Myb (phospho S11/12) peptide

**Lane 4 :** Molt-4 cell lysate with c-Myb unmodified peptide

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1/2000 dilution

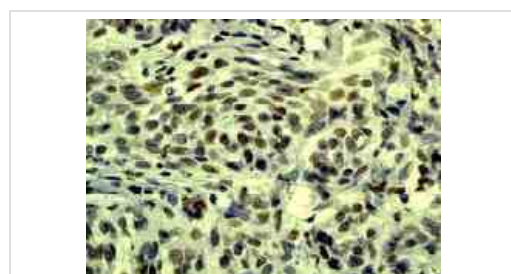
**Predicted band size:** 72 kDa

**Observed band size:** 77 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 30 seconds

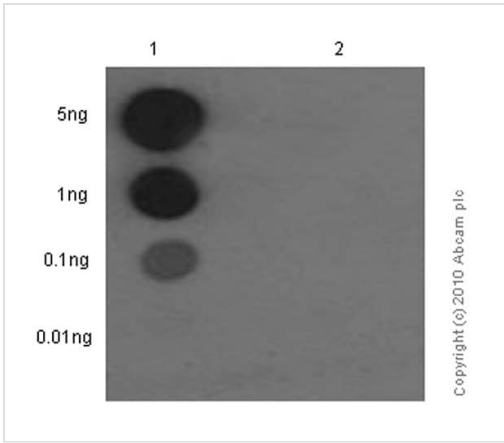
**Blocking/Dilution buffer:** 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

Immunohistochemical analysis of paraffin-embedded human cervical carcinoma tissue staining c-Myb with unpurified ab45150.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

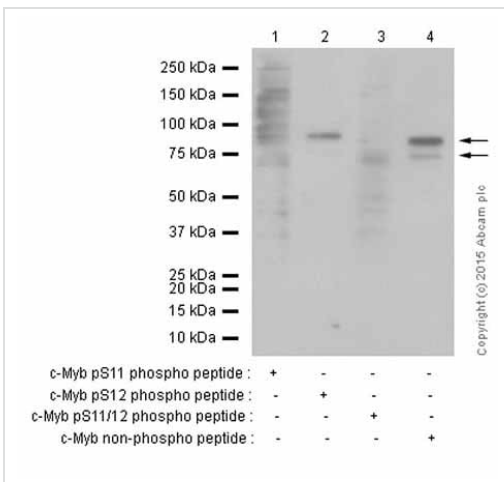


Dot Blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

Dot blot analysis of c-Myb (phospho S11/12) peptide (Lane 1) and c-Myb unmodified peptide (Lane 2) labeling c-Myb (phospho S11) with purified ab45150 at a dilution of 1/1000. [ab97051](#) (Peroxidase conjugated goat anti-rabbit IgG (H+L)) was used as the secondary antibody at a dilution of 1/2500.

**Blocking and dilution buffer:** 5% NFDm/TBST.

**Exposure time:** 3 minutes.



Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

**All lanes :** Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150) at 1/2000 dilution (purified)

**Lane 1 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate with c-Myc (phospho S11) peptide

**Lane 2 :** HeLa cell lysate with c-Myc (phospho S12) peptide

**Lane 3 :** HeLa cell lysate with c-Myc (phospho S11/12) peptide

**Lane 4 :** HeLa cell lysate with c-Myc unmodified peptide

Lysates/proteins at 10 µg per lane.

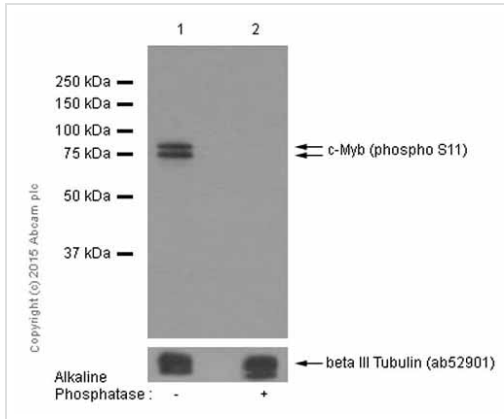
### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (HRP goat anti-rabbit IgG (H+L))

**Predicted band size:** 72 kDa

**Observed band size:** 75,77 kDa [why is the actual band size different from the predicted?](#)

**Blocking/Dilution buffer:** 5% NFDm/TBST.



Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

**All lanes :** Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150) at 1/5000 dilution (purified)

**Lane 1 :** Untreated Ramos (Human Burkitt's lymphoma cell line) cell lysate

**Lane 2 :** Ramos cell lysate, membrane treated with alkaline phosphatase

Lysates/proteins at 10 µg per lane.

### Secondary

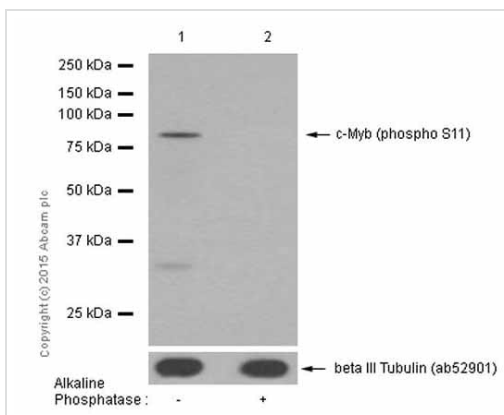
**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1/2000 dilution

**Predicted band size:** 72 kDa

**Observed band size:** 75,77 kDa [why is the actual band size different from the predicted?](#)

**Exposure time:** 3 minutes

**Blocking/Dilution buffer:** 5% NFDm/TBST.



Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

**All lanes :** Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150) at 1/5000 dilution (purified)

**Lane 1 :** Untreated HL-60 (Human promyelocytic leukemia cell line) cell lysate

**Lane 2 :** HL-60 cell lysate, membrane treated with alkaline phosphatase

Lysates/proteins at 10 µg per lane.

### Secondary

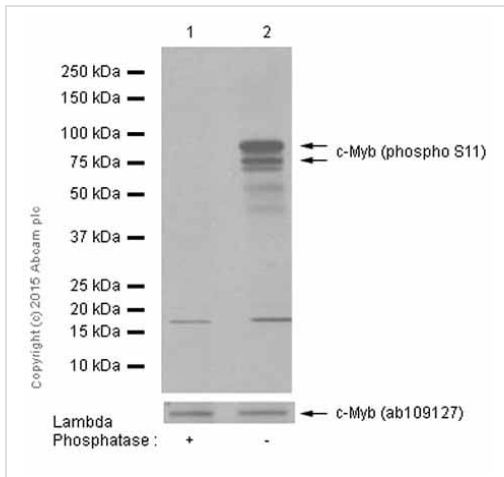
**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1/2000 dilution

**Predicted band size:** 72 kDa

**Observed band size:** 77 kDa [why is the actual band size different from the predicted?](#)

**Exposure time:** 3 minutes

**Blocking/Dilution buffer:** 5% NFDm/TBST.



Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

**All lanes :** Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150) at 1/2000 dilution (purified)

**Lane 1 :** Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

**Lane 2 :** HeLa cell lysate, the membrane treated with lambda phosphatase

Lysates/proteins at 10  $\mu$ g per lane.

#### Secondary

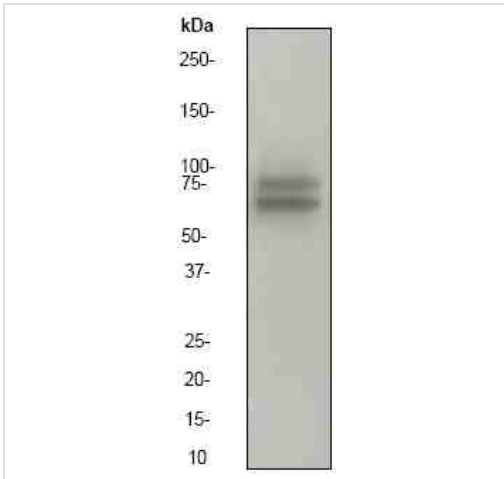
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/5000 dilution (HRP goat anti-rabbit IgG (H+L))

**Predicted band size:** 72 kDa

**Observed band size:** 75,77 kDa [why is the actual band size different from the predicted?](#)

**Exposure time:** 30 seconds

**Blocking/Dilution buffer:** 5% NFDm/TBST.







Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150) at 1/10000 dilution (unpurified) + Ramos (Human Burkitt's lymphoma cell line) membrane lysate

**Predicted band size:** 72 kDa

**Observed band size:** 72,75 kDa [why is the actual band size different from the predicted?](#)

Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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