**Overview**

**Product name**
Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - ChIP Grade

**Description**
Rabbit monoclonal [EP769Y] to v-Myb + c-Myb (phospho S11) - ChIP Grade

**Host species**
Rabbit

**Tested applications**
Suitable for: WB, IHC-P, ICC/IF, IP, ChIP

**Unsuitable for:** Flow Cyt

**Species reactivity**
Reacts with: Human

**Immunogen**
Synthetic peptide within Human v-Myb + c-Myb (N terminal). The exact sequence is proprietary.

**Positive control**
IHC-P: human cervical carcinoma tissue.

**General notes**
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® 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**

**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**
pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 49% PBS, 50% Glycerol, 0.05% BSA

**Purity**
Protein A purified
**Clonality**
Monoclonal

**Clone number**
EP769Y

**Isotype**
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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>WB</td>
<td></td>
<td>1/1000 - 1/5000. Predicted molecular weight: 72 kDa.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>1/100 - 1/250.</td>
</tr>
<tr>
<td>IP</td>
<td></td>
<td>1/50.</td>
</tr>
<tr>
<td>ChIP</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 21296997</td>
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</table>

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

**Target**

**Relevance**
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. Myb is a transcription factor related to Myc, and is expressed primarily in haematopoietic cells and immature gastroepithelial cells.

**Cellular localization**
Nuclear

**Images**
**Western blot** - Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - ChIP Grade (ab45150)

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

- **Lane 1:** Molt-4 cell lysate with v-Myb + c-Myb (phospho S11) peptide
- **Lane 2:** Molt-4 cell lysate with v-Myb + c-Myb (phospho S12) peptide
- **Lane 3:** Molt-4 cell lysate with v-Myb + c-Myb (phospho S11/12) peptide
- **Lane 4:** Molt-4 cell lysate with v-Myb + 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

**Exposure time:** 30 seconds

Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST
**Western blot** - Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - ChIP Grade (ab45150)

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

**Lane 1**: HeLa cell lysate with v-Myb + c-Myc (phospho S11) peptide

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

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

**Lane 4**: HeLa cell lysate with v-Myb + 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

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST
**Western blot**

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

*Lane 1*: Untreated Ramos 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

Exposure time: 3 minutes

Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST

**Dot blot**

Dot blot analysis of v-Myb + c-Myb (phospho S11/12) peptide (Lane 1) and v-Myb + c-Myb unmodified peptide (Lane 2) labelling v-Myb + 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.
All lanes: Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - ChIP Grade (ab45150) at 1/5000 dilution (purified)

Lane 1: Untreated HL-60 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

Exposure time: 3 minutes

Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST
**Western blot - Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - ChIP Grade (ab45150)**

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

**Lane 1**: untreated HeLa cell lysate

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

Lysates/proteins at 10 µg 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

**Exposure time**: 30 seconds

Blocking buffer: 5% NFDM/TBST  
Dilution buffer: 5% NFDM/TBST

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**Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - ChIP Grade (ab45150)**

**Predicted band size**: 72 kDa  
**Observed band size**: 72,75 kDa
Unpurified ab45150 staining human v-Myb / c-Myb in human cervical carcinoma by immunohistochemistry using paraffin embedded tissue.

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

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