

Product datasheet

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

Recombinant RabMAb

★★★★☆ [1 Abreviews](#) [57 References](#) [10 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-c-Myb (phospho S11) antibody [EP769Y] |
| Description | Rabbit monoclonal [EP769Y] to c-Myb (phospho S11) |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, IP, Dot blot Unsuitable for: Flow Cyt |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: Ramos, Molt-4, and HL-60 cell lysate. HeLa cell lysate untreated and treated with lambda phosphatase. IHC-P: Human cervical carcinoma tissue. IP: MOLT-4. |
| General notes | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <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> |

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: PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA |
| Purity | Protein A purified |

| | |
|---------------------|------------|
| Clonality | Monoclonal |
| Clone number | EP769Y |
| Isotype | IgG |

Applications

The Abpromise guarantee 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.

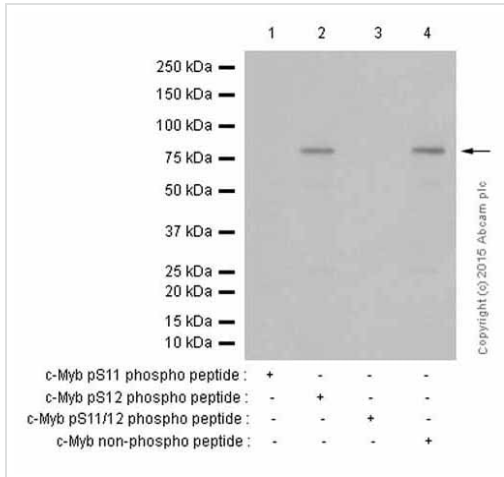
| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | ★★★★★ (1) | 1/1000 - 1/5000. Predicted molecular weight: 72 kDa. |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| 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. |
| Domain | 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. |
| Post-translational modifications | Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation. Phosphorylated by NLK on multiple sites, which induces proteasomal degradation. |
| Cellular localization | 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

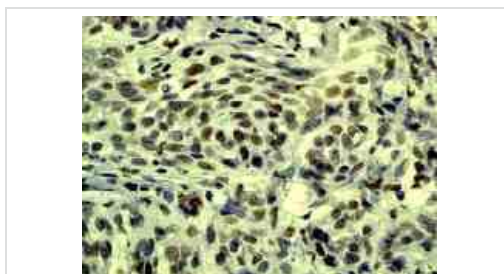
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/2000 dilution

Predicted band size: 72 kDa

Observed band size: 77 kDa

Exposure time: 30 seconds

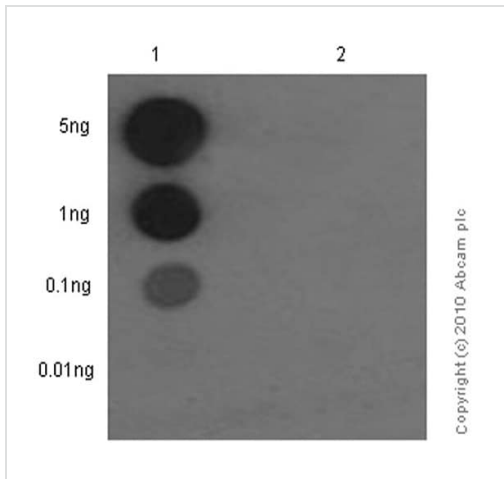
Blocking/Dilution buffer: 5% NFD/MTBST.



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.

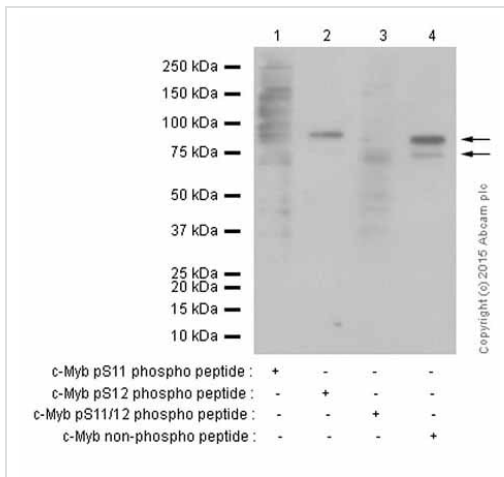


Dot Blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

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-Myb (phospho S11) peptide

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

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

Lane 4 : HeLa cell lysate with c-Myb unmodified peptide

Lysates/proteins at 10 µg per lane.

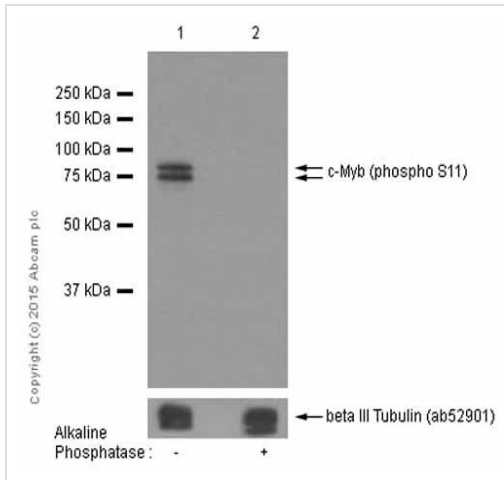
Secondary

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/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

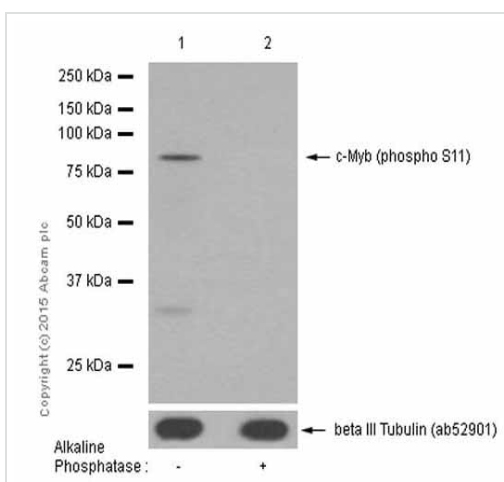
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/2000 dilution

Predicted band size: 72 kDa

Observed band size: 75,77 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFD/MTBST.



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

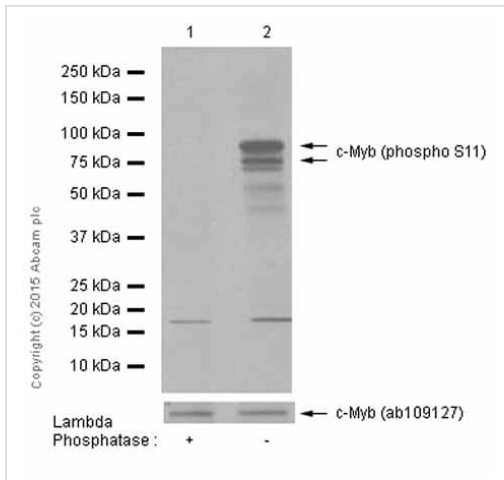
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/2000 dilution

Predicted band size: 72 kDa

Observed band size: 77 kDa

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 : HeLa cell lysate, the membrane treated with lambda phosphatase

Lane 2 : Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

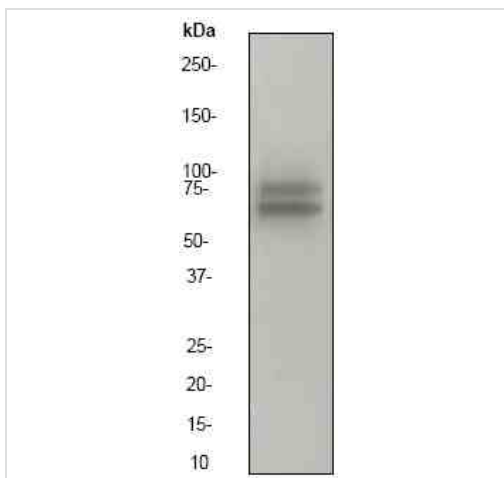
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/5000 dilution (HRP goat anti-rabbit IgG (H+L))

Predicted band size: 72 kDa

Observed band size: 75,77 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

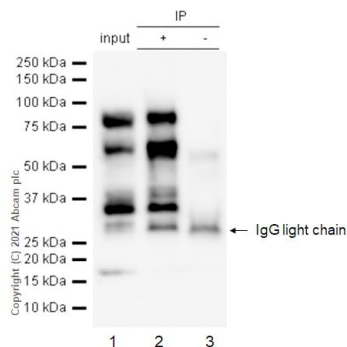


Western blot - Anti-c-Myb (phospho S11) antibody [EP769Y] (ab45150)

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



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

c-Myb was immunoprecipitated from 0.35 mg MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate 10 μ g with ab45150 at 1/120 dilution (2 μ g). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate 10 μ g

Lane 2: ab45150 IP in MOLT-4 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab45150 in MOLT-4 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Fresh lysate should be used to minimize protein degradation. Multi-bands should be c-myb isoforms based on immunogen design and Uniprot database.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
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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