abcam

Product datasheet

Anti-c-Myb (phospho S11) antibody [EP769Y] - BSA and Azide free ab217945

Recombinant RabMAb

1 References 4 Images

Overview

Product name	Anti-c-Myb (phospho S11) antibody [EP769Y] - BSA and Azide free
Description	Rabbit monoclonal [EP769Y] to c-Myb (phospho S11) - BSA and Azide free
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	ab217945 is the carrier-free version of **ab45150**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP769Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab217945 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		Use at an assay dependent concentration. 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		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.

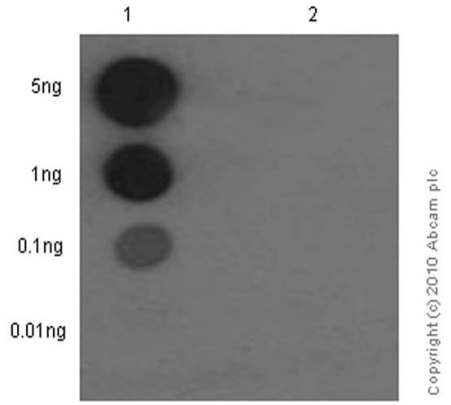
Application notes Is unsuitable for Flow Cyt.

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



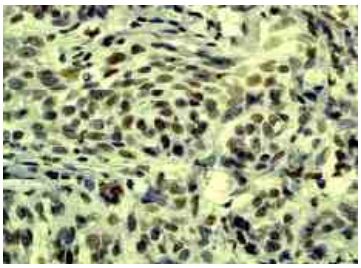
Dot Blot - Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - BSA and Azide free (ab217945)

Dot blot analysis of v-Myb + c-Myb (phospho S11/12) peptide (Lane 1) and v-Myb + c-Myb unmodified peptide (Lane 2) labeling 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab45150**).

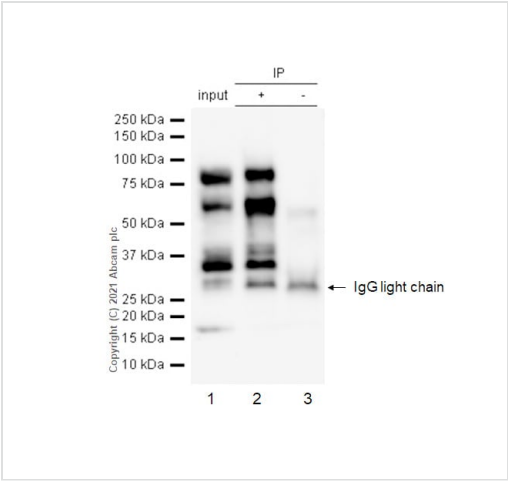


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-v-Myb + c-Myb (phospho S11) antibody [EP769Y] - BSA and Azide free (ab217945)

Unpurified **ab45150** staining human v-Myb / c-Myb in human cervical carcinoma by immunohistochemistry using paraffin embedded tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab45150**).

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



Immunoprecipitation - Anti-c-Myb (phospho S11) antibody [EP769Y] - BSA and Azide free (ab217945)

This data was developed using **ab45150**, the same antibody clone in a different buffer formulation.

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

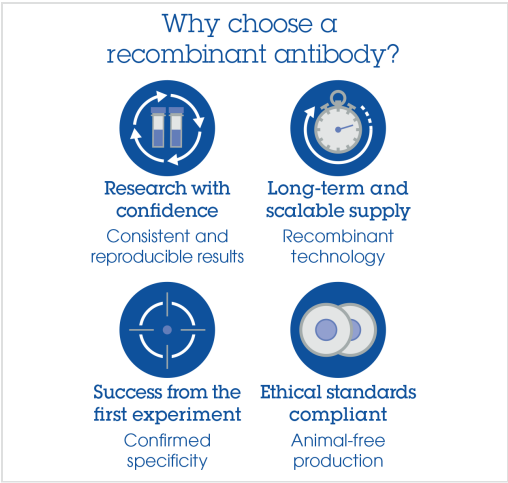
Lane 1: MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate 10 µg

Lane 2: abab45150 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.



Anti-c-Myb (phospho S11) antibody [EP769Y] - BSA and Azide free (ab217945)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors