abcam

Product datasheet

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

重组 RabMAb

★★★★★ 1 Abreviews 24 References 9 图像

概述

产品名称	Anti-B MyB (phospho T487)抗体[EPR2204Y]
描述	兔单克隆抗体[EPR2204Y] to B MyB (phospho T487)
宿主	Rabbit
经测试应用	**适用于:** Dot blot, Flow Cyt (Intra), ICC/IF, WB, IHC-P
种属反应性	**与反应:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: 293T transfected with human B MyB (WT) expression vector containing a myc-His-tag®, whole cell lysate and HeLa nuclear fraction lysate. ICC/IF: HeLa cells. IHC-P: Human lung and colon cancer tissues. Flow Cyt (Intra): HeLa cells.
常规说明	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**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR2204Y

同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab76009于以下的经测试应用

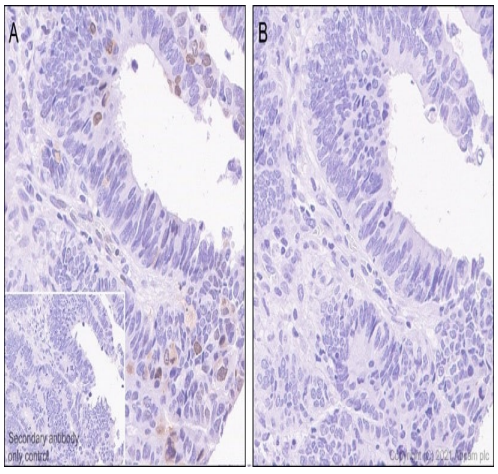
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Dot blot		1/1000.
Flow Cyt (Intra)		1/1000. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/1000.
WB		1/1000. Predicted molecular weight: 79 kDa.
IHC-P	★★★★★ (1)	1/8000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

靶标

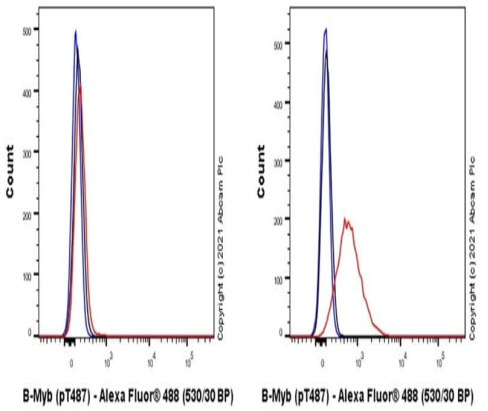
功能	Transcription factor involved in the regulation of cell survival, proliferation, and differentiation. Transactivates the expression of the CLU gene.
序列相似性	Contains 3 HTH myb-type DNA-binding domains.
翻译后修饰	Phosphorylated by cyclin A/CDK2 during S-phase. Phosphorylation at Thr-520 is probably involved in transcriptional activity.
细胞定位	Nucleus.

图片



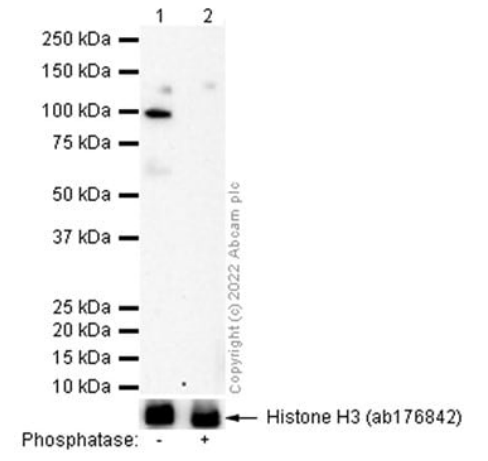
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

Immunohistochemistry analysis of paraffin-embedded Human colon cancer tissue sections labelling B MyB (phospho T487) with ab76009 at 1/8000 dilution. The section was incubated with ab76009 for 30 mins at room temperature. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.
Nuclear staining on Human colon cancer tissue without alkaline phosphatase treatment (Image A); No signal was detected when tissues were treated with alkaline phosphatase (Image B). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



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

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells treated with Alkaline Phosphatase overnight (Left) and untreated HeLa cells (Right) labeling B MyB (phospho T487) with ab76009 at 1/1000 dilution (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% Tween-20. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (**ab172730**) (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

All lanes : Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009) at 1/1000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) nuclear fraction lysate
Lane 2 : HeLa nuclear fraction lysate treated with Alkaline Phosphatase for 1 hour

Lysates/proteins at 15 µg per lane.

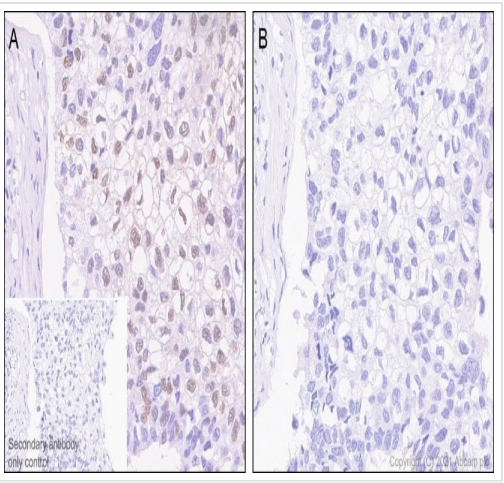
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 79 kDa
Observed band size: 100 kDa

Exposure time: 120 seconds

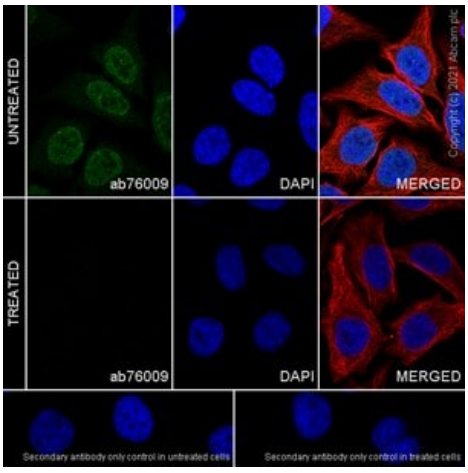
Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM/TBST



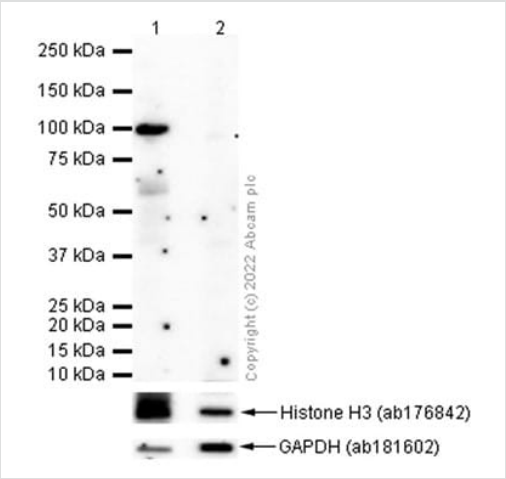
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue sections labelling B MyB (phospho T487) with ab76009 at 1/8000 dilution. The section was incubated with ab76009 for 30 mins at room temperature. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.
Nuclear staining on Human lung cancer tissue without alkaline phosphatase treatment (Image A); No signal was detected when tissues were treated with alkaline phosphatase (Image B). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunocytochemistry/ Immunofluorescence - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervix adenocarcinoma epithelial cell) cells labelling B MyB (phospho T487) with primary antibody anti-B MyB (phospho T487) (ab76009) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**) secondary antibody at 1/1000 dilution. Confocal image showing nuclear staining in HeLa cells and no staining in HeLa cells with Alkaline Phosphatase treatment 37▌ for 1 hour. Anti-alpha Tubulin antibody (DM1A) - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) was used to counterstain tubulin at 1/200 dilution. The nuclear counter stain is DAPI (blue).



Western blot - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

All lanes : Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009) at 1/1000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) nuclear fraction lysate
Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) without nuclear fraction lysate

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 79 kDa
Observed band size: 100 kDa

Exposure time: 60 seconds

Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM/TBST

Western blot - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

All lanes : Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009) at 1/1000 dilution

Lane 1 : 293T (Human embryonic kidney epithelial cell) transfected with empty vector (vector control), containing a myc-His-tag®, whole cell lysate
Lane 2 : 293T transfected with human B MyB (WT) expression vector containing a myc-His-tag®, whole cell lysate

Lysates/proteins at 20 µg per lane.

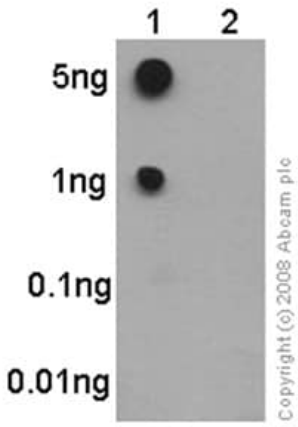
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 79 kDa
Observed band size: 100 kDa

Exposure time: 20 seconds

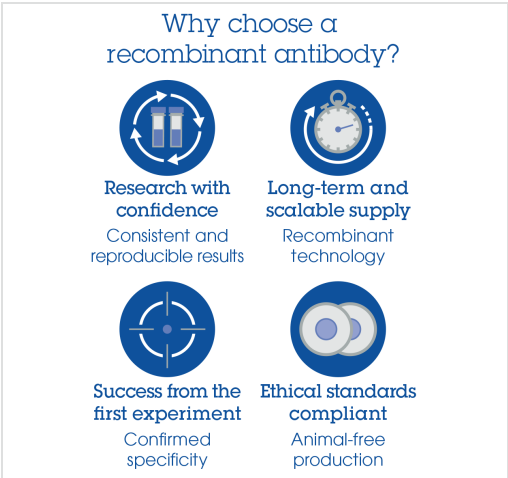
Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM/TBST



Dot Blot - Anti-B MyB (phospho T487) antibody [EPR2204Y] (ab76009)

Dot blot analysis of B MyB (pT487) phospho peptide (lane 1) and B MyB non-phospho peptide (lane 2) with ab76009 at a 1/1000 dilution. Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) was used as the secondary antibody at a dilution of 1/20,000.
Blocking and dilution buffer: 5% NFDM/TBST
Exposure time: 3 minutes



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

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