abcam

Product datasheet

Alexa Fluor® 647 Anti-c-Myc antibody [Y69] ab190560

敲除验证 重组 RabMAb

2 References 3 图像

概述

产品名称	Alexa Fluor® 647荧光Anti-c-Myc抗体[Y69]
描述	Alexa Fluor® 647荧光兔单克隆抗体[Y69] to c-Myc
宿主	Rabbit
偶联物	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
经测试应用	**适用于:** ICC/IF
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as **ab166837**)
阳性对照	ICC: Panc-1 and HEK293 cells.
常规说明	If you need other conjugated anti-c-myc (Y69) RabMAb antibodies, find our range of products **here**. We also offer a PBS only version of this clone as product **ab168727**. For more information on choosing the right c-Myc antibody for you, please click **here**. 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**. Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which

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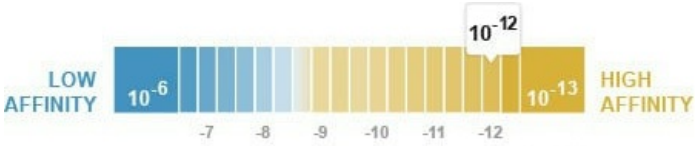
性能

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. Stable for 12 months at -20°C. Store In the Dark.

解离常数(K_D) K_D = 3.80 x 10^{-12} M



Learn more about K_D

存储溶液 pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS

纯度 Protein A purified

克隆 单克隆

克隆编号 Y69

同种型 IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab190560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
ICC/IF		1/100.

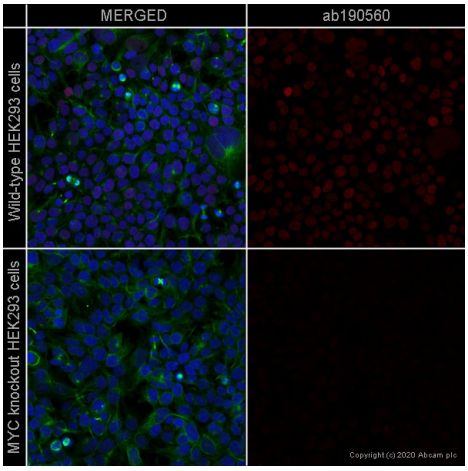
靶标

功能 Participates in the regulation of gene transcription. Binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Seems to activate the transcription of growth-related genes.

疾病相关 Note=Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors.
Note=A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia. Translocation t(8;12)(q24;q22) with BTG1.
Defects in MYC are a cause of Burkitt lymphoma (BL) [MIM:113970]. A form of undifferentiated malignant lymphoma commonly manifested as a large osteolytic lesion in the jaw or as an

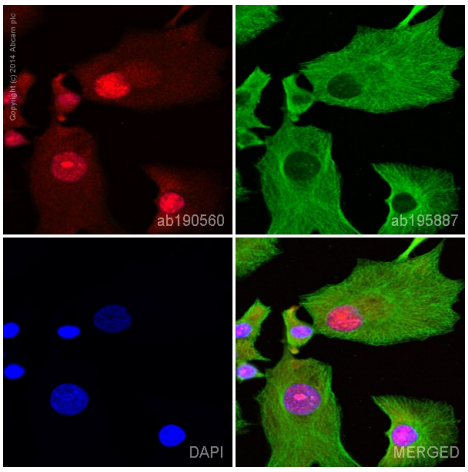
	abdominal mass. Note=Chromosomal aberrations involving MYC are usually found in Burkitt lymphoma. Translocations t(8;14), t(8;22) or t(2;8) which juxtapose MYC to one of the heavy or light chain immunoglobulin gene loci.
序列相似性	Contains 1 basic helix-loop-helix (bHLH) domain.
翻译后修饰	Phosphorylated by PRKDC. Phosphorylation at Thr-58 and Ser-62 by GSK3 is required for ubiquitination and degradation by the proteasome. Ubiquitinated by the SCF(FBXW7) complex when phosphorylated at Thr-58 and Ser-62, leading to its degradation by the proteasome. In the nucleoplasm, ubiquitination is counteracted by USP28, which interacts with isoform 1 of FBXW7 (FBW7alpha), leading to its deubiquitination and preventing degradation. In the nucleolus, however, ubiquitination is not counteracted by USP28, due to the lack of interaction between isoform 4 of FBXW7 (FBW7gamma) and USP28, explaining the selective MYC degradation in the nucleolus. Also polyubiquitinated by the DCX(TRUSS) complex.
细胞定位	Nucleus > nucleoplasm. Nucleus > nucleolus.
形式	c-Myc is also expressed in the cytoplasm.

图片



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-c-Myc antibody [Y69] (ab190560)

ab190560 staining c-Myc in wild-type HEK293 cells (top panel) and MYC knockout HEK293 cells (**ab256500**) (bottom panel). The cells were fixed with 4% paraformaldehyde (10 min) then permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab190560 at 1/5000 dilution and **ab195887** (Mouse monoclonal to alpha Tubulin - Alexa Fluor® 488) at 1/250 dilution overnight at 4°C. Nuclear DNA was labelled in blue with DAPI.
Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).

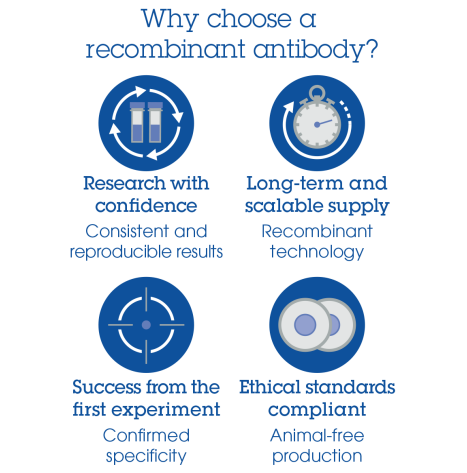


Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-c-Myc antibody [Y69] (ab190560)

ab190560 staining c-Myc in panc1 cells. The cells were fixed with 100% methanol (5 min), permeabilized in 0.1% Triton X-100 for 5 minutes and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab190560 at a working dilution of 1 in 100 (shown in red) and **ab195887**, Mouse monoclonal [DM1A] to alpha Tubulin (Alexa Fluor® 488, shown in green) at 2µg/ml overnight at +4°C. Nuclear DNA was labelled in blue with DAPI.

This product also gave a positive signal in 4% formaldehyde (10 min) fixed panc1 cells under the same testing conditions.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



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