abcam

Product datasheet

Alexa Fluor® 488 Anti-c-Myc antibody [Y69] ab190026

KO 評価済 リコンビナント RabMAb

4 References 画像数 3

製品の概要

製品名	Alexa Fluor® 488 Anti-c-Myc antibody [Y69]
製品の詳細	Alexa Fluor® 488 Rabbit monoclonal [Y69] to c-Myc
標識	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
アプリケーション	**適用あり:** ICC/IF
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as **ab166837**)
ポジティブ・コントロール	ICC/IF: Panc1 and HEK293 cells.
特記事項	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 may include, but is not limited to use of the product or its components: in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or

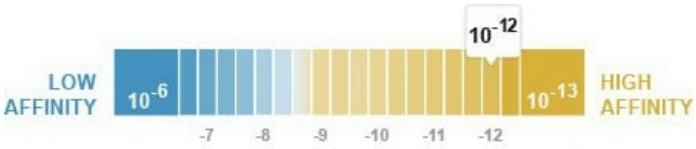
prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**.

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.

解離定数（K_D 値） $K_D = 3.80 \times 10^{-12}$ M



Learn more about K_D

バッファー pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA

精製度 Protein A purified

ポリ/モノ モノクローナル

クローン名 Y69

アイソタイプ IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab190026の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/50 - 1/100. This product gave a positive signal in Panc1 cells fixed with 4% formaldehyde (10 min)

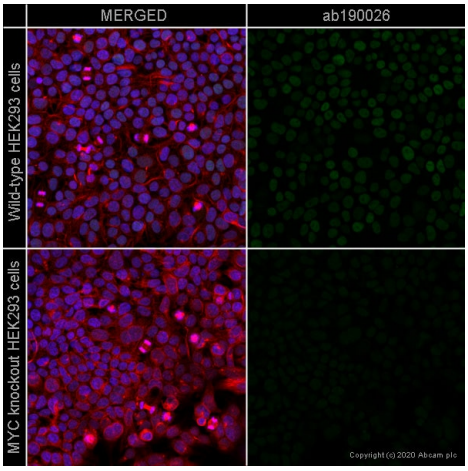
ターゲット情報

機能 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.

関連疾患 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

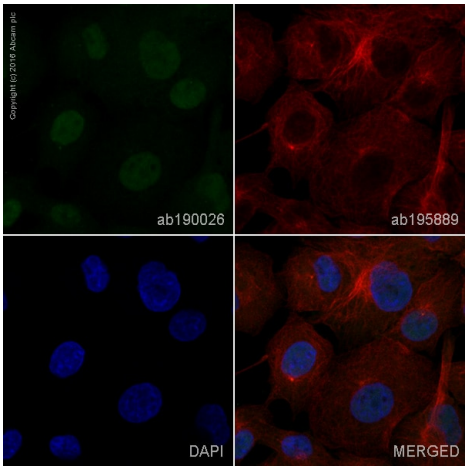
	abdominal mass. Note=Chromosomal aberrations involving MYC are usually found in Burkitt lymphoma. Translocations t(8;14), t(8;22) or t(2;8) which juxtapose MYC to one of the heavy or light chain immunoglobulin gene loci.
配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
翻訳後修飾	Phosphorylated by PRKDC. 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.
細胞内局在	Nucleus > nucleoplasm. Nucleus > nucleolus.
製品の状態	c-Myc is also expressed in the cytoplasm.

画像



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-c-Myc antibody [Y69] (ab190026)

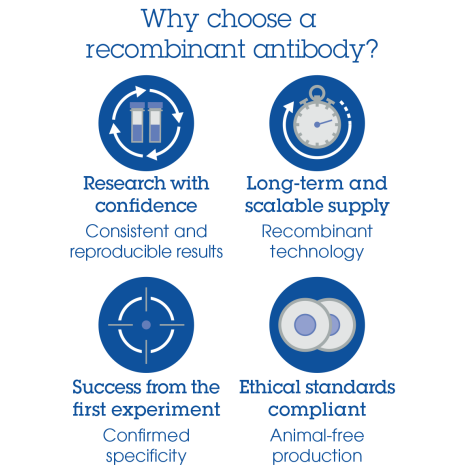
ab190026 staining c-Myc in wild-type HEK293 cells (top panel) and MYC knockout HEK293 cells (**ab256500**) (bottom panel). The cells were fixed with 4% paraformaldehyde (10 min) then permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab190026 at 1/5000 dilution and **ab190573** (Rabbit monoclonal to alpha Tubulin - Alexa Fluor® 647) 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® 488 Anti-c-Myc antibody [Y69] (ab190026)

ab190026 staining c-myc in Panc-1 cells. The cells were fixed with 4% formaldehyde (10 min), 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 overnight at +4°C with ab190026 at 1/100 dilution (shown in green) and **ab195889**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

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



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