

Anti-c-Myc (phospho S62) antibody ab51156

★★★★★ [1 Abreviews](#) [36 References](#) [画像数 4](#)

製品の概要

製品名	Anti-c-Myc (phospho S62) antibody
製品の詳細	Rabbit polyclonal to c-Myc (phospho S62)
由来種	Rabbit
特異性	ab51156 detects endogenous levels of Myc only when phosphorylated at serine 62.
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to Human c-Myc (N terminal) (phospho S62). The antiserum was produced against synthesized phosphopeptide derived from human Myc around the phosphorylation site of serine 62 (P-L-SP-P-S). Database link: P01106
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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.
バッファー	<p>pH: 7</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride, PBS</p> <p>PBS without Mg²⁺ and Ca²⁺</p>
精製度	Protein A purified
特記事項 (精製)	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

ポリモノ
アイソタイプ

ポリクローナル
IgG

アプリケーション

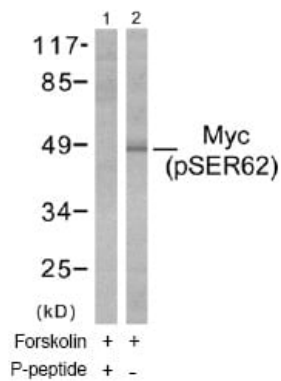
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab51156の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
WB		1/500 - 1/1000. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).
IHC-P		1/50 - 1/100.

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



Western blot - Anti-c-Myc (phospho S62) antibody (ab51156)

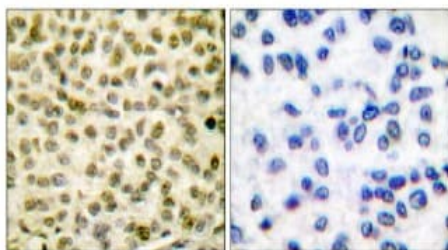
All lanes : Anti-c-Myc (phospho S62) antibody (ab51156) at 1/500 dilution

Lane 1 : extracts from 293 cells treated with 40nM Forskolin for 30min, with phosphopeptide

Lane 2 : extracts from 293 cells treated with 40nM Forskolin for 30min, without phosphopeptide

Predicted band size: 49 kDa

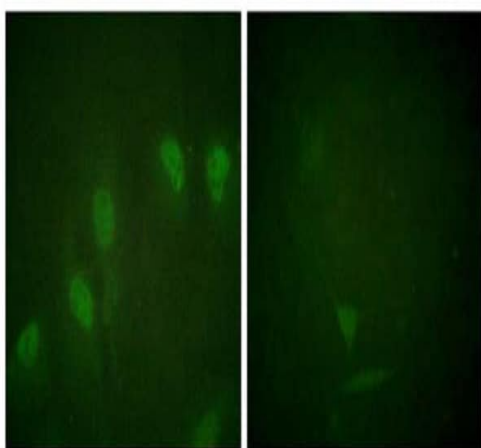
Observed band size: 49 kDa



P-peptide - +

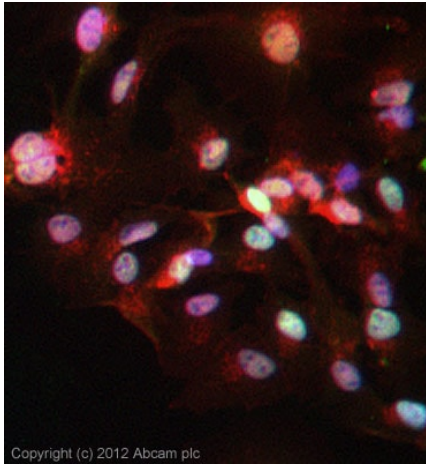
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Myc (phospho S62) antibody (ab51156)

Immunohistochemical analysis of c-Myc (phospho S62) expression in paraffin-embedded human breast carcinoma tissue using 1/50 ab51156. left: untreated sample. Right: sample treated with phosphopeptide.



Immunocytochemistry/ Immunofluorescence - Anti-c-Myc (phospho S62) antibody (ab51156)

Immunofluorescence analysis of HeLa cells, treated (left) and untreated (right) with Forskolin (40nM, 15mins), using c-Myc (phospho-Ser62) antibody.



Copyright (c) 2012 Abcam plc

Immunocytochemistry/ Immunofluorescence - Anti-c-Myc (phospho S62) antibody (ab51156)

ICC/IF image of ab51156 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab51156, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, a goat **anti-rabbit DyLight® 488** (IgG; H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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.co.jp/abpromise> or contact our technical team.

Terms and conditions

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