

### Anti-Myc tag antibody [9E10] ab206486

リコンビナント

★★★★★ [4 Abreviews](#) [15 References](#) [画像数 4](#)

#### 製品の概要

製品名	Anti-Myc tag antibody [9E10]
製品の詳細	Rat monoclonal [9E10] to Myc tag
由来種	Rat
特異性	This antibody is specific for Myc tagged proteins. The Myc tag epitope (EQKLISEEDL) is located at the dimerization site of c-myc and therefore this antibody does not perform well at recognizing endogenous c-myc.
アプリケーション	<b>適用あり:</b> IHC-Fr, IHC-P, ICC/IF, IP, WB
免疫原	Synthetic peptide corresponding to Human Myc tag aa 400 to the C-terminus (C terminal). Database link: <a href="#">P01106</a>
エピトープ	Epitope located at aa 410-419; EQKLISEEDL
特記事項	ab206486 is a recombinant antibody that comprises the variable regions from the 9E10 hybridoma within a rat IgG1 scaffold.

 [Run BLAST with](#)

 [Run BLAST with](#)

#### 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 long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.02% Proclin 300 Constituent: 99% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	9E10
アイソタイプ	IgG1
軽鎖の種類	kappa

#### 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ab206486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。

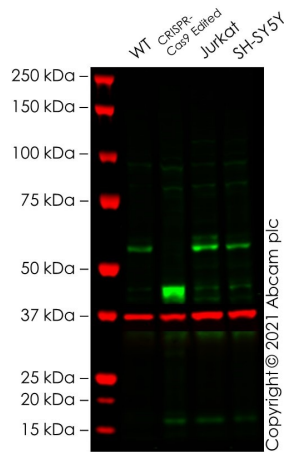
アプリケーション	Abreviews	特記事項
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IP	★★★★☆ (1)	Use at an assay dependent concentration.
WB	★★★★☆ (1)	Use at an assay dependent concentration. Predicted molecular weight: 48 kDa.

## ターゲット情報

**関連性** Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.

**細胞内局在** Nuclear

## 画像



Western blot - Anti-Myc tag antibody [9E10]  
(ab206486)

**All lanes :** Anti-Myc tag antibody [9E10] ([ab32](#)) at 1/200 dilution

**Lane 1 :** Wild-type HEK-293T cell lysate

**Lane 2 :** MYC CRISPR-Cas9 edited HEK-293T cell lysate

**Lane 3 :** Jurkat cell lysate

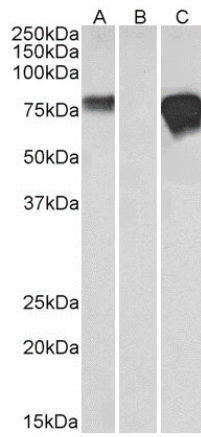
**Lane 4 :** SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 48 kDa

False colour image of Western blot: Anti-Myc tag antibody [9E10] staining at 1/200 dilution, shown in green; Rabbit Anti-GAPDH antibody [EPR16891] ([ab181602](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab32](#) was shown to bind specifically to Myc tag. A band was observed at 57 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in MYC CRISPR-Cas9 edited cell line [ab256500](#) (CRISPR-Cas9 edited cell lysate [ab263850](#)). The band observed in the CRISPR-Cas9 edited lysate lane below 57 kDa is likely to represent a truncated form of Myc tag. This has not been investigated further and the functional properties of the gene product have not been determined. To generate this image, wild-type and MYC CRISPR-Cas9 edited HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween<sup>®</sup> 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Mouse IgG H&L (IRDye<sup>®</sup> 800CW) preabsorbed ([ab216772](#)) and Goat anti-Rabbit IgG H&L (IRDye<sup>®</sup> 680RD) preabsorbed ([ab216777](#)) at 1/20000 dilution.



Western blot - Anti-Myc tag antibody [9E10]  
(ab206486)

**All lanes :** Anti-Myc tag antibody [9E10] (ab206486) at 2 µg/ml

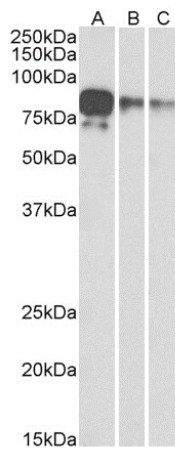
**Lane 1 :** HEK-293 spiked with 5 ng multitag protein

**Lane 2 :** HEK-293 unspiked with 5 ng multitag protein

**Lane 3 :** 25 ng purified multitag protein

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 48 kDa



Western blot - Anti-Myc tag antibody [9E10]  
(ab206486)

**All lanes :** Anti-Myc tag antibody [9E10] (ab206486) at 1 µg/ml

**Lane 1 :** Multitag protein at 0.025 µg

**Lane 2 :** Multitag protein at 0.01 µg

**Lane 3 :** Multitag protein at 0.005 µg

**Predicted band size:** 48 kDa

Why choose a recombinant antibody?

<p><b>Research with confidence</b> Consistent and reproducible results</p>	<p><b>Long-term and scalable supply</b> Recombinant technology</p>
<p><b>Success from the first experiment</b> Confirmed specificity</p>	<p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Myc tag antibody [9E10] (ab206486)

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

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