abcam

Product datasheet

Anti-Myc tag antibody [Myc.A7] ab18185

★★★★★ 5 Abreviews 43 References 2 图像

概述

产品名称	Anti-Myc tag抗体[Myc.A7]
描述	小鼠单克隆抗体[Myc.A7] to Myc tag
宿主	Mouse
特异性	Recognizes overexpressed proteins containing Myc epitope tag fused to either amino- or carboxy-termini of targeted proteins in transfected mammalian cells.
经测试应用	**适用于:** ELISA, Dot blot, WB, IP
免疫原	Synthetic peptide: EQKLISEEDL , corresponding to amino acids 410-419 of Human Myc. Run BLAST with Run BLAST with
阳性对照	WB: HEK-293 whole cell lysate ICC/IF: rat primary hippocampal neurons
常规说明	This product was changed from ascites to tissue culture supernatant on 25th May 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. 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. 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

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein A purified

纯化说明	Protein A affinity chromatography
克隆	单克隆
克隆编号	Myc.A7
同种型	IgG1

应用

The Abpromise guarantee Abpromise™承诺保证使用ab18185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。

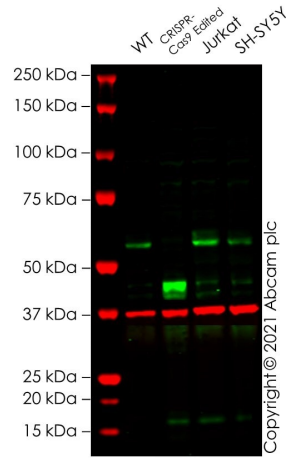
应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.
WB	★★★★☆ (1)	1/1000.
IP		Use at an assay dependent concentration.

靶标

相关性 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.

细胞定位 Nuclear

图片



Western blot - Anti-Myc tag antibody [Myc.A7] (ab18185)

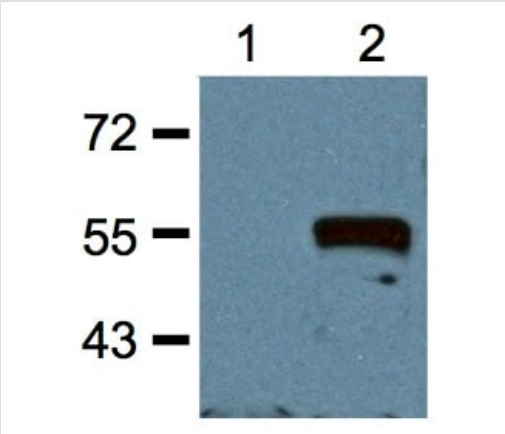
All lanes : Anti-Myc tag antibody [Myc.A7] (ab18185) at 1/1000 dilution

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.

False colour image of Western blot: Anti-Myc tag antibody [Myc.A7] staining at 1/1000 dilution, shown in green; Rabbit Anti-GAPDH antibody [EPR16891] (**ab181602**) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab18185 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® 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® 800CW) preabsorbed (**ab216772**) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed (**ab216777**) at 1/20000 dilution.



Western blot - Anti-Myc tag antibody [Myc.A7] (ab18185)

All lanes : Anti-Myc tag antibody [Myc.A7] (ab18185) at 1/1000 dilution

Lane 1 : HEK293 lysate - untransfected

Lane 2 : HEK293 lysate - transfected with Myc-tagged protein

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