abcam

Product datasheet

Anti-Myc tag antibody ab9106

39 Abreviews 472 References 7 图像

概述

产品名称	Anti-Myc tag抗体
描述	兔多克隆抗体to Myc tag
宿主	Rabbit
特异性	ELISA: Antibody specificity was verified by ELISA against the peptide (EQKLISEEDL). A 1:60,000 dilution of the antibody gave an O.D.=1.0 in a 15 minute reaction using HRP-conjugated Goat Anti Rabbit IgG at 1:20,000 and TMB as the substrate. Appropriate specificity controls were run.
经测试应用	**适用于:** IHC-Fr, IP, WB, IHC-P, ICC/IF, Electron Microscopy
种属反应性	**与反应:** Species independent
免疫原	Synthetic peptide corresponding to Myc tag conjugated to keyhole limpet haemocyanin. (Peptide available as **ab13837**) Run BLAST with Run BLAST with
阳性对照	ICC/IF: CHO cells transfected with 12-tags constructs. IHC-P: Mouse brain tissue stained for Myc tag. EM: Mouse embryonic fibroblasts expressing myc-tagged protein. IP: Huh7 expressing myc-tagged CDC42 protein and transfected 293FT cells. WB: Y. enterocolitica ?HOPEMT carrying plasmids encoding Myc-tagged CT082 or CT695, and HA-tagged Slc1.
常规说明	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	Preservative: 0.1% Sodium azide
纯度	Affinity purified

纯化说明	Antibodies were immunoaffinity purified using the peptide immobilized on a solid phase. Antibody concentration was determined by extinction coefficient : O.D. 1.4 at 280nM equals 1.0 mg of IgG.
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab9106于以下的经测试应用**

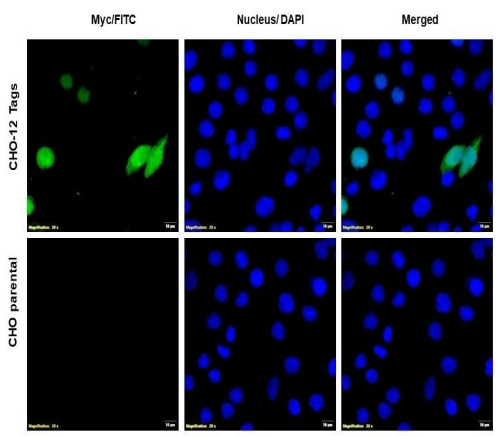
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr	★★★★★ (1)	1/500.
IP	★★★★★ (9)	Use at an assay dependent concentration.
WB	★★★★☆ (14)	Use at an assay dependent concentration.
IHC-P	★★★★☆ (3)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (10)	1/1000.
Electron Microscopy		Use at an assay dependent concentration. See Abreview for further details (submitted by Eeva-Liisa Eskelinen).

靶标

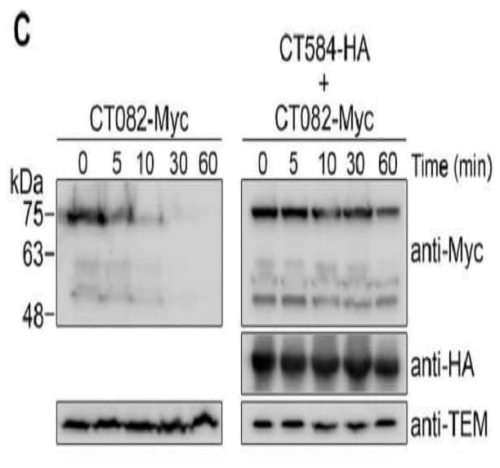
相关性	Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce 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



Immunocytochemistry/ Immunofluorescence - Anti-Myc tag antibody (ab9106)

Immunofluorescent analysis of 4% paraformaldehyde (PFA)-fixed, permeabilized with 0.1% Triton X-100 in CHO cells transfected with 12-tags constructs (named as CHO-12 tags, Top) and parental CHO cells (Bottom) labelling MYC with ab9106 at 1/1000 dilution (1 µg/mL), followed by Donkey Anti-rabbit IgG (H&L), FITC conjugated antibody at 1/1000 dilution (1 µg/mL) (Green). Nucleus was counterstained with DAPI (Blue).



Western blot - Anti-Myc tag antibody (ab9106)

Pais et al PLoS One. 2013;8(2):e56292. doi: 10.1371/journal.pone.0056292. Epub 2013 Feb 19. Fig 6. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

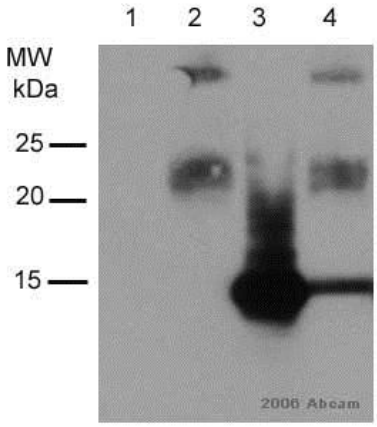
Y. enterocolitica ΔHOPEMT carrying plasmids encoding Myc-tagged CT082 or CT695, and HA-tagged Slc1 (as indicated) were grown in non-secreting conditions. Chloramphenicol was added (time?=?0 min) to stop bacterial protein synthesis and samples were taken at the indicated time points. Samples were analyzed by immunoblotting using ab9106, anti-HA, and anti-TEM antibodies.

Immunoprecipitation - Anti-Myc tag antibody (ab9106)

This image is courtesy of an anonymous abreview.

ab9106 at 4 µg/mg lysate used in Huh7 (Human cell line) whole cell lysate ($1x10^6$ cells).

Cells expressed myc-tagged CDC42 protein. Immunoprecipitation step performed using Protein A matrix. Incubation time 4 hours at 4°C. Western Blot antibody used at 1/300 dilution.



Immunoprecipitation - Anti-Myc tag antibody (ab9106)

ab9106 used at 1/250 in the immunoprecipitation of transfected human 293FT cells (whole cell lysate).

In this experiment cells were co-transfected with myc tagged cdc25 along with an HA tagged viral protein which binds to cdc25. The cell lysate was immunoprecipitated using ab9106, run on a 10% gel. The blot was probed for HA and HA tagged protein (which co-IPed with Myc tagged protein) and this is seen at ~15KDa.

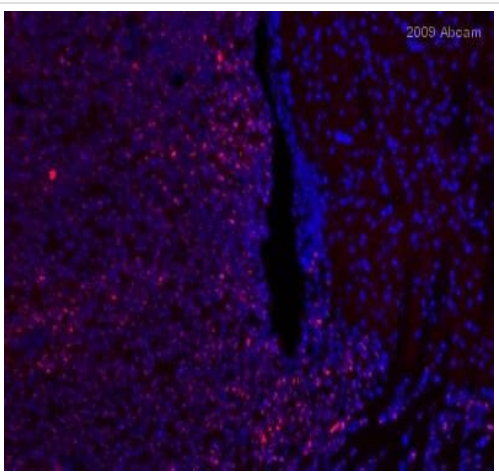
Lane 1: Input non-transfected cells

Lane 2: Immunoprecipitated non-transfected cells

Lane 3: Input co-transfected cells

Lane 4: Immunoprecipitated co-transfected cells

This image is courtesy of an Abreview submitted on **23 March 2006.**

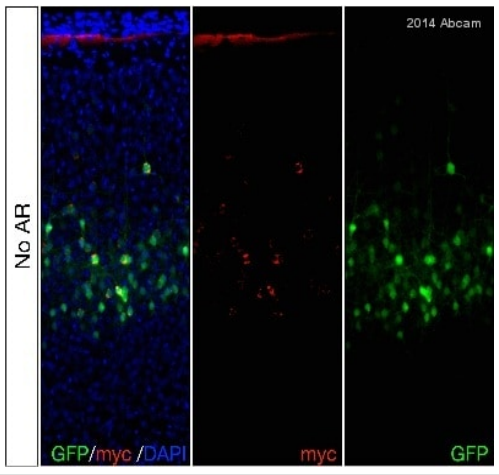


Immunohistochemistry (Frozen sections) - Anti-Myc tag antibody (ab9106)

This image is courtesy of an anonymous abreview.

Paraformaldehyde-fixed frozen mouse brain tissue stained for Myc tag using ab9106 at a 1/500 dilution (2hrs at 25°C), followed by a goat anti-rabbit Alexa-Fluor® 568 secondary used at a 1/500 dilution.

For further details please see **abreview**.

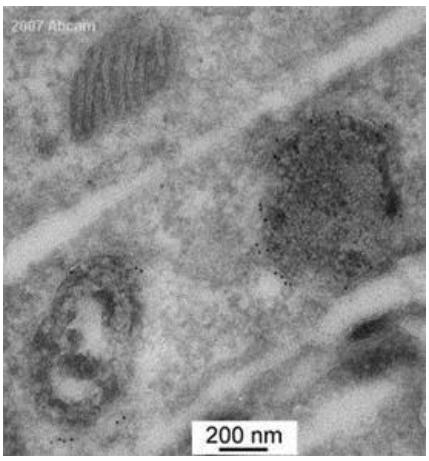


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myc tag antibody (ab9106)

This image is courtesy of Karen Lee by Abreview.

Paraformaldehyde-fixed, 0.3% Triton X-100 permeabilized mouse brain tissue stained for Myc tag using ab9106 at a 1/500 dilution (15 hrs, 4°C) followed by and Alexa-Fluor® 555 donkey anti-rabbit secondary used at a 1/500 dilution.

For further details please see **abreview**.



Electron Microscopy - Anti-Myc tag antibody (ab9106)

This image is courtesy of an Abreview submitted by Dr Eeva-Liisa Eskelinen

ab9106 at 1/2000 staining mouse embryonic fibroblasts expressing myc-tagged protein by ICC.

The cells were paraformaldehyde fixed and blocked with 3% BSA prior to incubation with the antibody for 1 hour. A goat anti-rabbit IgG antibody (10 nm gold conjugated) was used as the secondary.

The image shown is immuno electron microscopical staining with thawed cryosections.

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