

Product datasheet

Anti-Myc tag antibody ab9106

★★★★☆ 38 Abreviews 258 References 5 Images

Overview

Product name	Anti-Myc tag antibody
Description	Rabbit polyclonal to Myc tag
Host species	Rabbit
Specificity	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.
Tested applications	Suitable for: IHC-Fr, IP, WB, IHC-P, Flow Cyt, ICC/IF, ICC, Electron Microscopy
Immunogen	Synthetic peptide corresponding to Myc tag conjugated to keyhole limpet haemocyanin. Sequence: EQKLISEEDL (Peptide available as ab13837) Run BLAST with Run BLAST with
Positive control	ICC/IF: HeLa cells transfected with a Myc-tagged membrane targeting protein. IP: Huh7 cells expressing myc-tagged CDC42 protein. Human 293FT cells co-transfected with myc tagged cdc25 along with an HA tagged viral protein which binds to cdc25.
General notes	Abcam recommended secondaries - Goat Anti-Rabbit HRP (ab205718) and Goat Anti-Rabbit Alexa Fluor® 488 (ab150077). See other anti-rabbit secondary antibodies that can be used with this antibody.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.1% Sodium azide
Purity	Affinity purified
Purification notes	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.
Clonality	Polyclonal

Isotype

IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab9106** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr	★★★★★	1/500.
IP	★★★★★	Use at an assay dependent concentration.
WB	★★★★☆	Use at an assay dependent concentration. Can be blocked with Human c-Myc peptide (ab13837) .
IHC-P	★★★★☆	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 19793804 ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★	Use at an assay dependent concentration. PubMed: 16093346
ICC	★★★★★	Use at an assay dependent concentration.
Electron Microscopy		Use at an assay dependent concentration. See Abreview for further details (submitted by Eeva-Liisa Eskelinen).

Target

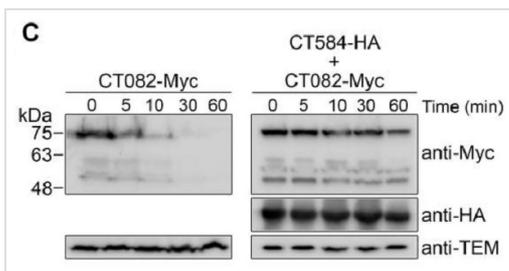
Relevance

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.

Cellular localization

Nuclear

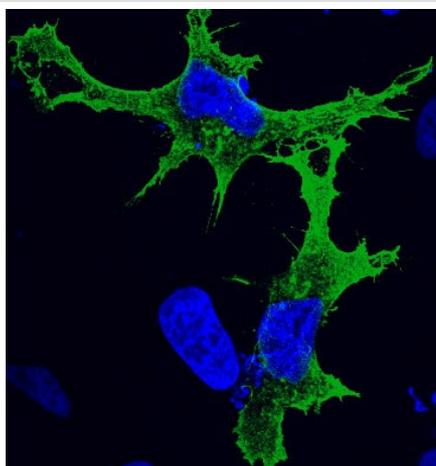
Images



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.

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.

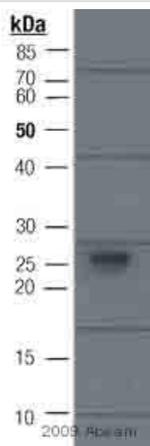


Immunocytochemistry/ Immunofluorescence - Anti-Myc tag antibody (ab9106)

This image is courtesy of an anonymous Abreview

ab9106 staining the Myc tag in HeLa (Human epithelial cell line from cervix adenocarcinoma) cells transfected with a Myc-tagged membrane targeting protein by ICC/IF (Immunocytochemistry/immunofluorescence).

Cells were fixed with paraformaldehyde, permeabilized with Triton X (0.5%) and blocked with 3% BSA for 1 hour at 24°C. Samples were incubated with primary antibody (1/500) for 1 hour at 24°C. An Alexa Fluor®488-conjugated Goat anti-rabbit polyclonal was used as the secondary antibody.

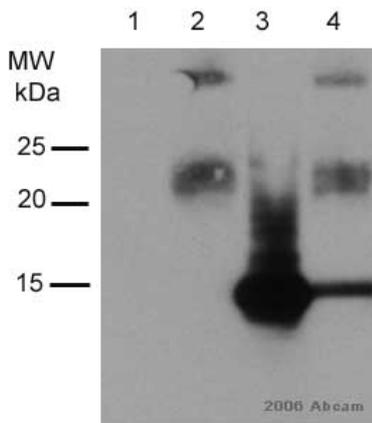


Immunoprecipitation - Anti-Myc tag antibody (ab9106)

This image is courtesy of an anonymous abreview.

ab9106 at 4 μg/mg lysate used in Huh7 (Human cell line) whole cell lysate (1×10^6 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.

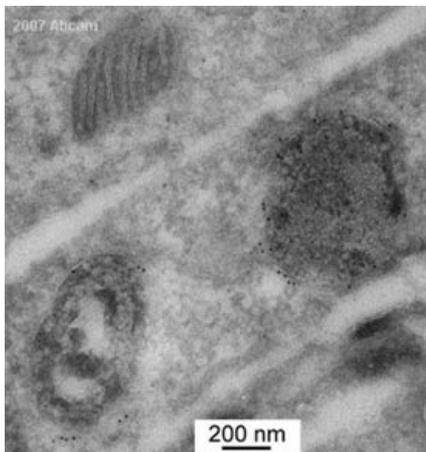
Lane 1: Input non-transfected cells

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**.



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.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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.com/abpromise> or contact our technical team.

Terms and conditions

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