

## Product datasheet

# Anti-Myc tag antibody - ChIP Grade ab9132

★★★★☆ 6 Abreviews 82 References 4 Images

### Overview

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<b>Product name</b>	Anti-Myc tag antibody - ChIP Grade
<b>Description</b>	Goat polyclonal to Myc tag - ChIP Grade
<b>Host species</b>	Goat
<b>Specificity</b>	Antibody was verified by ELISA against peptide conjugated to BSA (EQKLISEEDL /BSA).
<b>Tested applications</b>	<b>Suitable for:</b> IP, ChIP, IHC-Fr, ICC/IF, WB, Flow Cyt, ICC, ELISA
<b>Immunogen</b>	Synthetic peptide: EQKLISEEDL (c-myc) conjugated to KLH.

 [Run BLAST with](#)

 [Run BLAST with](#)

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antibodies were affinity purified using the peptide immobilized on solid support. Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab9132** 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
IP		Use at 1-4 µg/mg of lysate. Also PubMed: 20224777
ChIP	★★★★☆	Use at an assay dependent concentration. ChIP was performed with 25 ug chromatin, 5ug of antibody and 20 ul of Protein A/G beads.
IHC-Fr	★★★★☆	1/50.
ICC/IF	★★★★☆	Use at an assay dependent concentration.
WB	★★★★★	1/1000 - 1/30000. Can be blocked with <a href="#">Human c-Myc peptide (ab13837)</a> .
Flow Cyt		Use at an assay dependent concentration. PubMed: 22158898 <a href="#">ab37373</a> - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody.
ICC		1/200 - 1/2000.
ELISA		1/100 - 1/500.

## Target

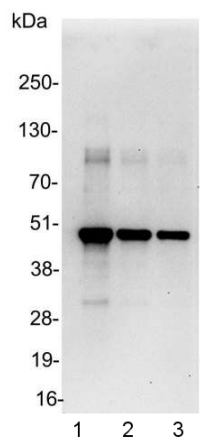
### Relevance

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



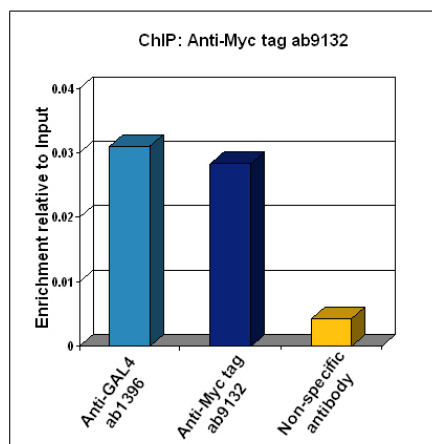
Western blot - Anti-Myc tag antibody - ChIP Grade (ab9132)

**All lanes** : Anti-Myc tag antibody - ChIP Grade (ab9132) at 0.04  $\mu\text{g/ml}$

**Lane 1** : E. coli whole cell lysate at 0.2  $\mu\text{g}$

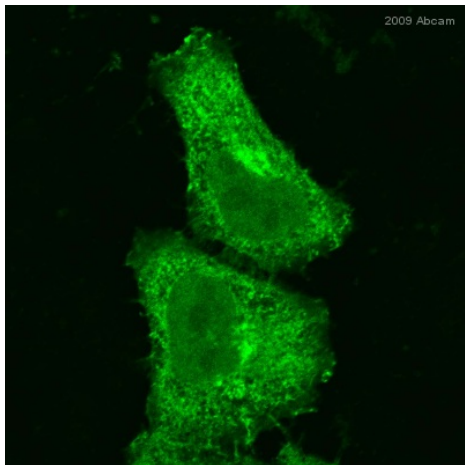
**Lane 2** : E. coli whole cell lysate at 0.1  $\mu\text{g}$

**Lane 3** : E. coli whole cell lysate at 0.05  $\mu\text{g}$



ChIP - Anti-Myc tag antibody - ChIP Grade (ab9132)

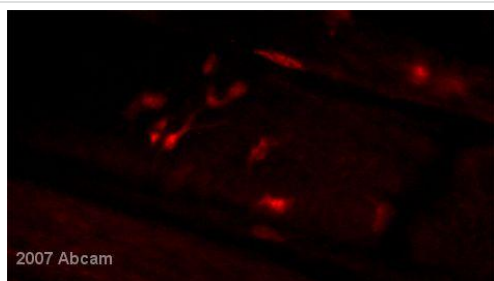
A stably transfected 293T human cell line harbouring the GAL4 upstream activation sequence was transiently transfected with a Myc or His - tagged GAL4 DNA Binding Domain construct. 48 hours post transfection Chromatin was prepared according to the Abcam X-ChIP protocol. The ChIP was performed with 25  $\mu\text{g}$  chromatin, 5 $\mu\text{g}$  of antibody and 20  $\mu\text{l}$  of Protein A/G beads. A non-specific antibody was used as the negative control. The immunoprecipitated DNA was quantified by real time PCR (SYBR Green approach).



Immunocytochemistry/ Immunofluorescence - Anti-Myc tag antibody - ChIP Grade (ab9132)

This image is courtesy of an anonymous Abreview.

ab9132, at 1/500, tagging the Myc epitope in human HeLa cells by immunocytochemistry/ immunofluorescence. Cells were paraformaldehyde fixed and permeabilized in 0.15% Triton prior to blocking in 10% serum for 1 hour at 23°C. The primary antibody incubated with the sample for 1 hour at 23°C. A donkey polyclonal anti-goat antibody, diluted 1/500, was used as the secondary.



Immunohistochemistry (Frozen sections) - Anti-Myc tag antibody - ChIP Grade (ab9132)

Image courtesy of anonymous abreviewer

ab9132, at 1/50 tagging Myc epitope in zebrafish frozen skeleton section by immunohistochemistry. Tissue was Paraformaldehyde fixed and blocked with 5% BSA for 4 hours at 25°C. The sample was incubated with the primary antibody for 16 hours at 4°C followed by the secondary, Rabbit Anti-Goat Cy3<sup>®</sup> at 1/500 dilution.

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