


## Product datasheet

# Anti-TIP49A antibody ab155517

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### Overview

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<b>Product name</b>	Anti-TIP49A antibody
<b>Description</b>	Rabbit polyclonal to TIP49A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow, Xenopus laevis, Zebrafish 
<b>Immunogen</b>	Recombinant fragment corresponding to a region within amino acids 57-345 of Human TIP49A (UniProt ID: Q9Y265).
<b>Positive control</b>	Jurkat, Raji, K562, THP1 whole cell lysates; Human colon carcinoma tissue
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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**The Abpromise guarantee**

Our **Abpromise guarantee** covers the use of ab155517 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
WB		1/500 - 1/3000. Predicted molecular weight: 50 kDa.
IHC-P		1/100 - 1/1000.

**Target****Function**

Possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (3' to 5') activity. Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. RUVBL1 plays an essential role in oncogenic transformation by MYC and also modulates transcriptional activation by the LEF1/TCF1-CTNNB1 complex.

May be able to bind plasminogen at cell surface and enhance plasminogen activation.

Essential for cell proliferation.

**Tissue specificity**

Ubiquitously expressed with high expression in heart, skeletal muscle and testis.

**Sequence similarities**

Belongs to the ruvB family.

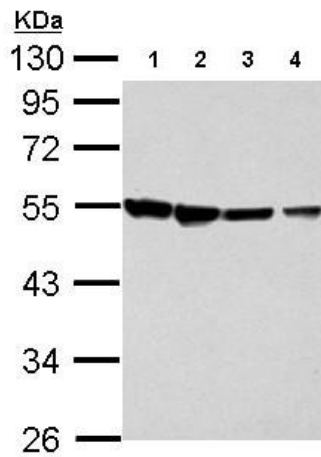
**Domain**

Binding to MYC is dependent on a Myc domain essential for oncogenic activity.

**Cellular localization**

Nucleus matrix. Nucleus > nucleoplasm. Cytoplasm. Membrane. Cytoplasm > cytoskeleton > centrosome. Mainly localized in the nucleus, associated with nuclear matrix or in the nuclear cytosol, although it is also present in the cytoplasm and associated with the cell membranes. In prophase and prometaphase it is located at the centrosome and the branching microtubule spindles. After mitotic nuclear membrane disintegration it accumulates at the centrosome and sites of tubulin polymerization. As cells pass through metaphase and into telophase it is located close to the centrosome at the early phase of tubulin polymerization. In anaphase it accumulates at the zone of tubule interdigitation. In telophase it is found at polar tubule overlap, and it reappears at the site of chromosomal decondensation in the daughter cells.

**Images**



Western blot - Anti-TIP49A antibody (ab155517)

**All lanes :** Anti-TIP49A antibody (ab155517) at 1/1000 dilution

**Lane 1 :** Jurkat whole cell lysate

**Lane 2 :** Raji whole cell lysate

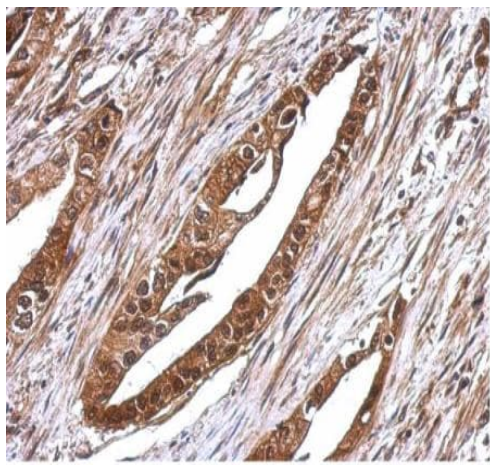
**Lane 3 :** K562 whole cell lysate

**Lane 4 :** THP1 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 50 kDa

10% SDS PAGE



Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labeling TIP49A using ab155517 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIP49A antibody (ab155517)

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

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