


## Product datasheet

### Anti-DDX54 antibody ab76947

3 Images

#### Overview

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<b>Product name</b>	Anti-DDX54 antibody
<b>Description</b>	Rabbit polyclonal to DDX54
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding to a region between residues 625 and 675 of human DDX54 (NP_076977.3)
<b>Positive control</b>	HeLa whole cell lysate.
<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 and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab76947 was affinity purified using an epitope specific to DDX54 immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## Applications

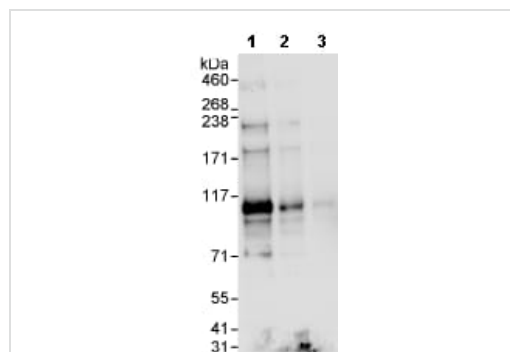
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab76947 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 99 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

<b>Function</b>	Has RNA-dependent ATPase activity. Represses the transcriptional activity of nuclear receptors.
<b>Sequence similarities</b>	Belongs to the DEAD box helicase family, DDX54/DBP10 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
<b>Cellular localization</b>	Nucleus > nucleolus.

## Images



Western blot - Anti-DDX54 antibody (ab76947)

**All lanes :** Anti-DDX54 antibody (ab76947) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

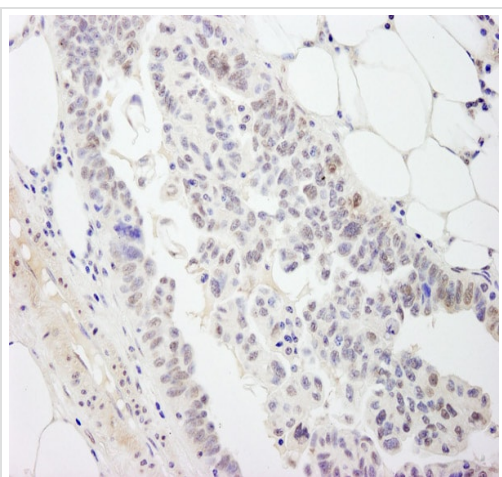
**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Predicted band size:** 99 kDa

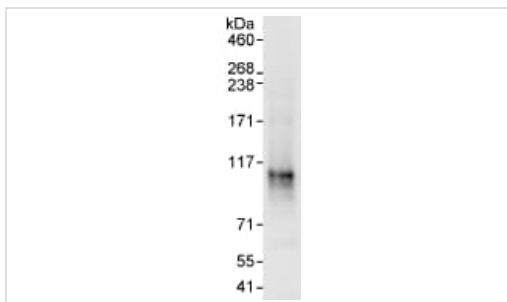
**Observed band size:** 99 kDa

**Additional bands at:** 180 kDa, 230 kDa, 72 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling DDX54 with ab76947 at 1/200 (1µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX54 antibody (ab76947)



ab76947 at 1µg/ml staining DDX54 in HeLa whole cell lysate immunoprecipitated using ab76947 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Immunoprecipitation - Anti-DDX54 antibody (ab76947)

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

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