

## Product datasheet

# Anti-DDX3 antibody [6G8-F4-E3] ab196032

[2 References](#)   [4 Images](#)

### Overview

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<b>Product name</b>	Anti-DDX3 antibody [6G8-F4-E3]
<b>Description</b>	Mouse monoclonal [6G8-F4-E3] to DDX3
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human, Monkey
<b>Immunogen</b>	Recombinant fragment corresponding to Human DDX3. (Purified fragments expressed in E.coli; NM_001356). Database link: <a href="#">O00571</a>
<b>Positive control</b>	Jurkat, K562, COS7, C6, 3T3 and HeLa whole cell lysate ( <a href="#">ab150035</a> ); HeLa cells.
<b>General notes</b>	This product was changed from ascites to tissue culture supernatant on 17.08.2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

### 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 long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.03% Proclin Constituent: 50% Glycerol
<b>Purity</b>	Concentrated Culture Supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	6G8-F4-E3
<b>Isotype</b>	IgG2a

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab196032** 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		1/1000. Predicted molecular weight: 73 kDa.
IP		Use at an assay dependent concentration.
ICC/IF		1/200.

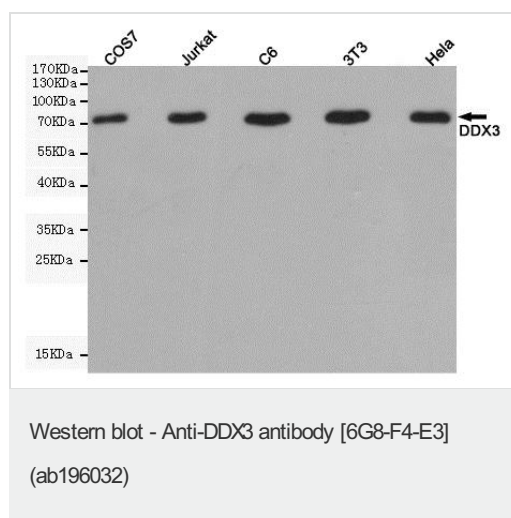
## Target

**Function** ATP-dependent RNA helicase. Acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. Also involved in HIV-1 replication. Interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location.

**Sequence similarities** Belongs to the DEAD box helicase family. DDX3/DED1 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

**Cellular localization** Nucleus speckle. Cytoplasm. Located predominantly in nuclear speckles and, at low levels, throughout the cytoplasm. Located to the outer side of nuclear pore complexes (NPC). Shuttles between the nucleus and the cytoplasm in a XPO1-dependent manner.

## Images



**All lanes** : Anti-DDX3 antibody [6G8-F4-E3] (ab196032) at 1/1000 dilution

**Lane 1** : COS7 Cell lysates

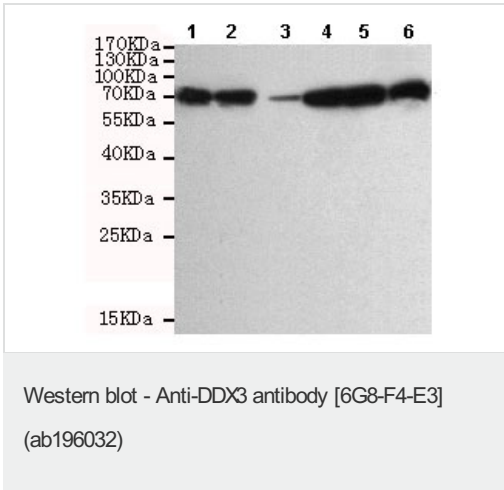
**Lane 2** : Jurkat Cell lysates

**Lane 3** : C6 Cell lysates

**Lane 4** : 3T3 Cell lysates

**Lane 5** : HeLa Cell lysates

**Predicted band size:** 73 kDa



**All lanes :** Anti-DDX3 antibody [6G8-F4-E3] (ab196032) at 1/1000 dilution

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** K562 cell lysate

**Lane 3 :** COS7 cell lysate

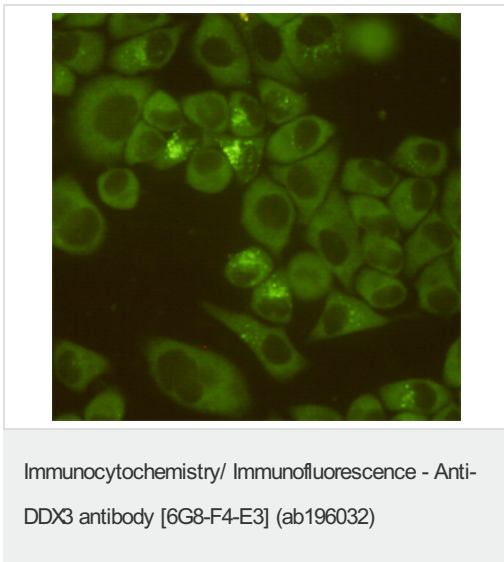
**Lane 4 :** C6 cell lysate

**Lane 5 :** 3T3 cell lysate

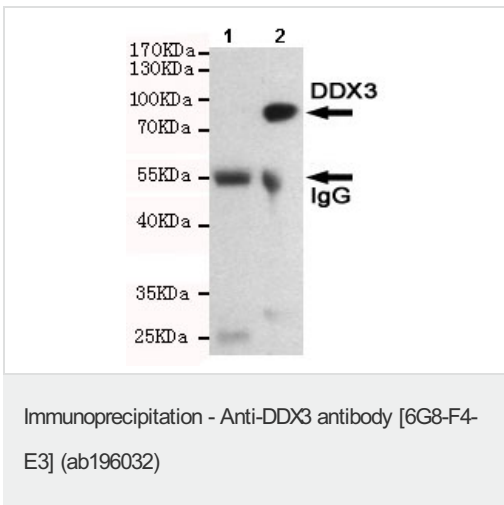
**Lane 6 :** HeLa cell lysate

**Predicted band size:** 73 kDa

This image was produced with antibody produced in ascites.



Immunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling DDX3 with ab196032 at 1/200 dilution. This image was produced with antibody produced in ascites.



Detection of DDX3 in immunoprecipitates of HeLa cell lysate immunoprecipitated using ab196032 (Lane 2). Lane 1 represents control IgG IP. This image was produced with antibody produced in ascites.

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

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