

## Product datasheet

### Anti-DDX39 antibody [2252C4a] ab50697

★★★★★ [2 Abreviews](#) [1 References](#) [5 Images](#)

#### Overview

<b>Product name</b>	Anti-DDX39 antibody [2252C4a]
<b>Description</b>	Mouse monoclonal [2252C4a] to DDX39
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human, Recombinant fragment
<b>Immunogen</b>	Recombinant fragment
<b>Positive control</b>	WB: HeLa, NIH3T3, F2480 whole cell lysate. IP: HeLa 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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C or -80°C.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 1% BSA</p>
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum. Filtered through a 0.22 micrometer membrane.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2252C4a
<b>Isotype</b>	IgG1

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab50697 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)	
IP		

### Application notes

Dot: Use at an assay dependent dilution.

IP: Use at 5 µg.

WB: 1/50 - 1/100. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

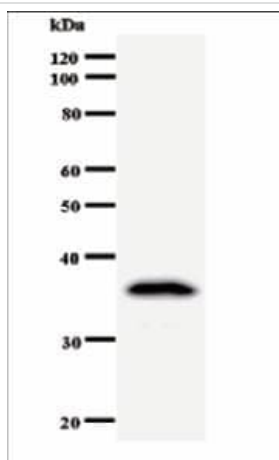
### Relevance

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX39 encodes a member of this family. The function of this member has not been determined. Alternative splicing of this gene generates 2 transcript variants encoding different isoforms.

### Cellular localization

Cytoplasmic and Nuclear

## Images

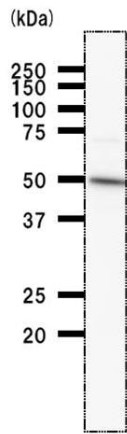


Anti-DDX39 antibody [2252C4a] (ab50697) + immunized recombinant protein

**Predicted band size:** 49 kDa

**Observed band size:** 37 kDa

Western blot - Anti-DDX39 antibody [2252C4a]  
(ab50697)



Western blot - Anti-DDX39 antibody [2252C4a]  
(ab50697)

Anti-DDX39 antibody [2252C4a] (ab50697) at 1/100 dilution +  
HeLa whole cell lysate at 25 µg

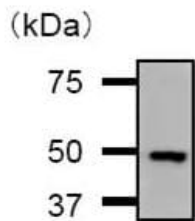
### Secondary

Mouse IgG antibody at 1/2500 dilution

Developed using the ECL technique.

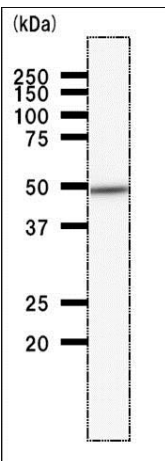
**Predicted band size:** 49 kDa

**Observed band size:** 49 kDa



Immunoprecipitation - Anti-DDX39 antibody  
[2252C4a] (ab50697)

500µg HeLa cell lysate was prepared in RIPA buffer and  
immunoprecipitated with 5µg ab50697. The subsequent Western  
blot was probed with ab50697 at 1/50, followed by TrueBlot anti-  
mouse IgG at 1/1000. Developed by the ECL technique.



Western blot - Anti-DDX39 antibody [2252C4a]  
(ab50697)

Anti-DDX39 antibody [2252C4a] (ab50697) at 1/100 dilution +  
NIH3T3 whole cell lysate at 25 µg

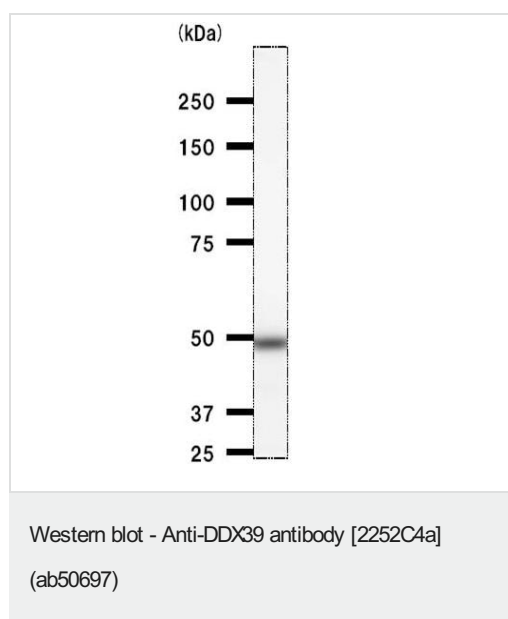
### Secondary

Mouse IgG antibody at 1/2500 dilution

Developed using the ECL technique.

**Predicted band size:** 49 kDa

**Observed band size:** 49 kDa



Anti-DDX39 antibody [2252C4a] (ab50697) at 1/100 dilution +  
F2480 whole cell lysate at 50 µg

### Secondary

Mouse IgG antibody at 1/2500 dilution

Developed using the ECL technique.

**Predicted band size:** 49 kDa

**Observed band size:** 49 kDa

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

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