


## Product datasheet

### Anti-eIF5A2 + eIF5A antibody [EPR7412-50] ab150439

Recombinant RabMAb

[12 References](#) [8 Images](#)

#### Overview

<b>Product name</b>	Anti-eIF5A2 + eIF5A antibody [EPR7412-50]
<b>Description</b>	Rabbit monoclonal [EPR7412-50] to eIF5A2 + eIF5A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide within Human eIF5A2 + eIF5A aa 100 to the C-terminus (Cysteine residue). The exact sequence is proprietary. The immunogen sequence is based upon a region of eIF5A2 that has high homology with eIF5A. Database link: <a href="#">Q9GZV4</a>
<b>Positive control</b>	Recombinant Human eIF5A2 protein ( <a href="#">ab99140</a> ) can be used as a positive control in WB. HepG2, HeLa, 293T and Raji cell lysates; Human colon adenocarcinoma and testis tissues.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7412-50
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab150439 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

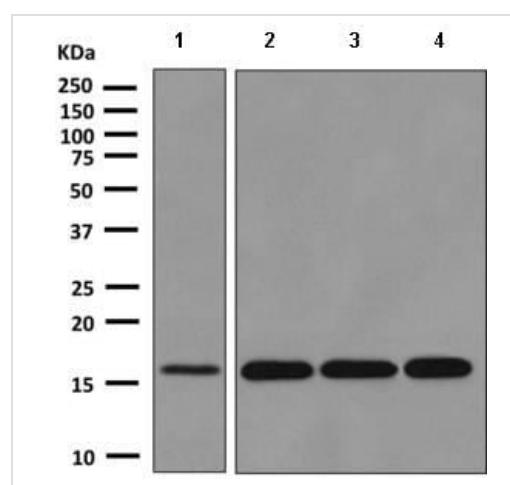
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 17 kDa.
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for IP.

## Target

**Cellular localization** eIF5A2: Cytoplasm. Nucleus. Endoplasmic reticulum membrane. Nucleus > nuclear pore complex. Hypusine modification promotes the nuclear export and cytoplasmic localization and there was a dynamic shift in the localization from predominantly cytoplasmic to primarily nuclear under apoptotic inducing conditions. eIF5A: Cytoplasm. Nucleus. Endoplasmic reticulum membrane. Nucleus > nuclear pore complex. Hypusine modification promotes the nuclear export and cytoplasmic localization and there was a dynamic shift in the localization from predominantly cytoplasmic to primarily nuclear under apoptotic inducing conditions.

## Images



Western blot - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

**All lanes** : Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439) at 1/1000 dilution

**Lane 1** : HepG2 cell lysate

**Lane 2** : HeLa cell lysate

**Lane 3** : 293T cell lysate

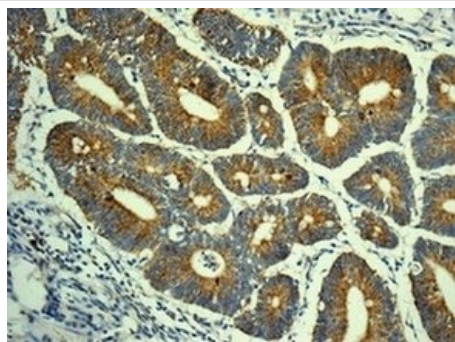
**Lane 4** : Raji cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat anti-rabbit HRP labelled antibody at 1/2000 dilution

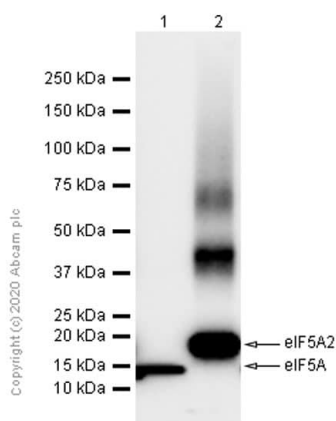
**Predicted band size:** 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

Immunohistochemical analysis of paraffin-embedded Human colon adenocarcinoma tissue labelling eIF5A2 + eIF5A with ab150439 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

**All lanes :** Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439) at 1/1000 dilution

**Lane 1 :** Recombinant Human eIF5A protein ([ab87457](#))

**Lane 2 :** Recombinant Human eIF5A2 protein ([ab99140](#))

Lysates/proteins at 0.01 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

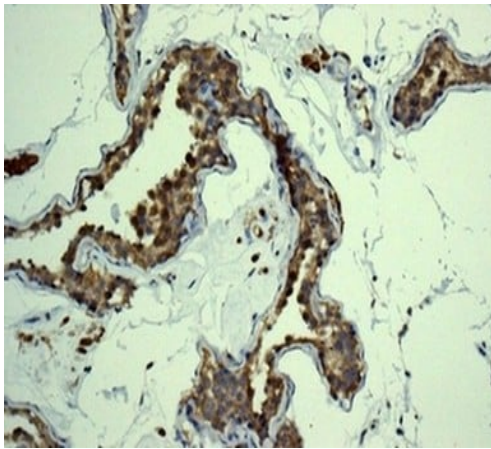
Developed using the ECL technique.

**Predicted band size:** 17 kDa

**Observed band size:** 15,20 kDa

**Exposure time:** 7 seconds

**Blocking buffer:** 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labelling eIF5A2 + eIF5A with ab150439 at 1/100 dilution.

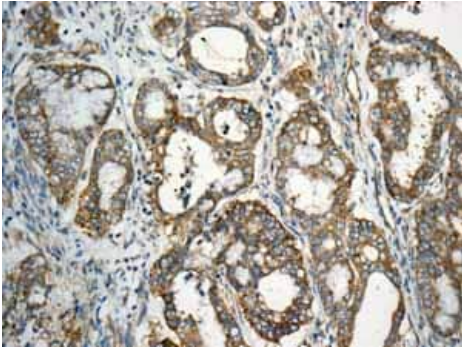
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

Immunohistochemical analysis of paraffin embedded Human Breast carcinoma tissue using ab150439 showing +ve staining.

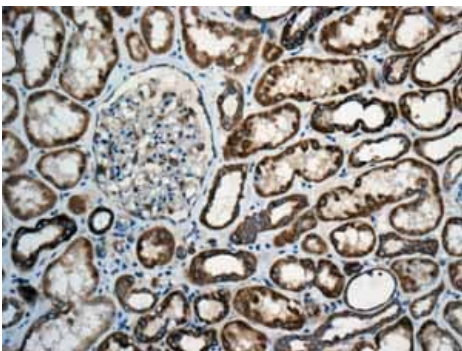
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

Immunohistochemical analysis of paraffin embedded Human Ovarian carcinoma tissue using ab150439 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

Immunohistochemical analysis of paraffin embedded normal Human kidney tissue using ab150439 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-eIF5A2 + eIF5A antibody [EPR7412-50] (ab150439)

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

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