


Anti-eIF5A2 + eIF5A antibody [EPR7412-47] - BSA and Azide free ab248991

Recombinant RabMAb

6 Images

Overview

Product name	Anti-eIF5A2 + eIF5A antibody [EPR7412-47] - BSA and Azide free
Description	Rabbit monoclonal [EPR7412-47] to eIF5A2 + eIF5A - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P Unsuitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248991 is the carrier-free version of ab126733.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7412-47
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248991 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

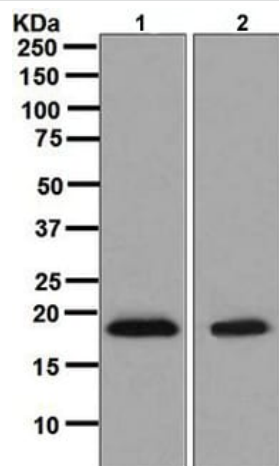
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 17 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining 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 [EPR7412-47] - BSA and Azide free (ab248991)

All lanes : Anti-eIF5A2 + eIF5A antibody [EPR7412-47] ([ab126733](#)) at 1/1000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : Caco-2 cell lysate

Lysates/proteins at 10 µg per lane.

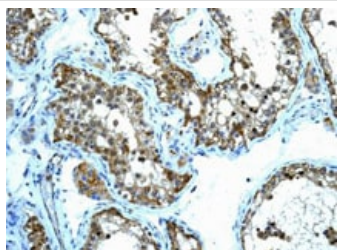
Secondary

All lanes : Goat anti-rabbit HRP conjugated at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 17 kDa

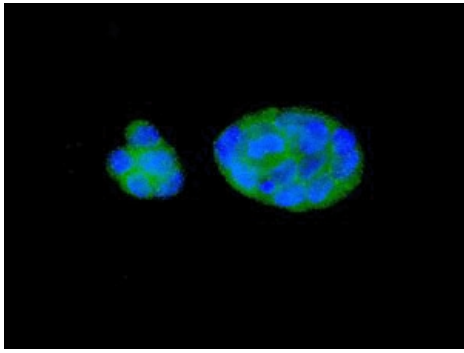
This data was developed using [ab126733](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7412-47] - BSA and Azide free (ab248991)

This data was developed using [ab126733](#), the same antibody clone in a different buffer formulation.

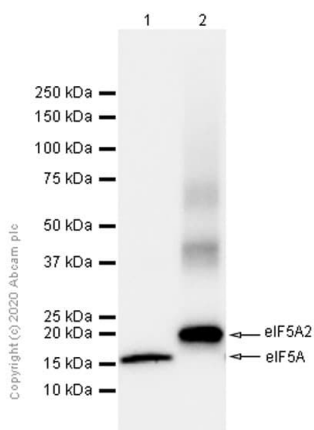
[ab126733](#) at 1/100 dilution, staining eIF5A2 + eIF5A in Formalin-fixed Paraffin-embedded Human ovarian carcinoma tissue by Immunohistochemistry. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-eIF5A2 + eIF5A antibody [EPR7412-47] - BSA and Azide free (ab248991)

This data was developed using [ab126733](#), the same antibody clone in a different buffer formulation.

[ab126733](#), at 1/100 dilution, staining eIF5A2 + eIF5A in HepG2 cells by Immunofluorescence (green). DAPI counterstain (blue).



Western blot - Anti-eIF5A2 + eIF5A antibody [EPR7412-47] - BSA and Azide free (ab248991)

All lanes : Anti-eIF5A2 + eIF5A antibody [EPR7412-47] ([ab126733](#)) 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.

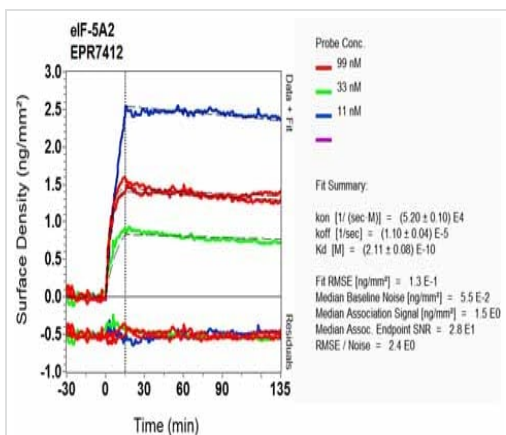
Predicted band size: 17 kDa

Observed band size: 15,20 kDa

Exposure time: 3 minutes

Blocking buffer: 5% NFDM/TBST

This data was developed using [ab126733](#), the same antibody clone in a different buffer formulation.



SPR Scanning - Anti-eIF5A2 + eIF5A antibody
[EPR7412-47] - BSA and Azide free (ab248991)

This data was developed using [ab126733](#), the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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

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

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