

Product datasheet

Anti-eIF5A2 + eIF5A antibody [EPR7411-6] - BSA and Azide free ab248154

Recombinant RabMAb

6 Images

Overview

Product name	Anti-eIF5A2 + eIF5A antibody [EPR7411-6] - BSA and Azide free
Description	Rabbit monoclonal [EPR7411-6] to eIF5A2 + eIF5A - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Flow Cyt, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human eIF5A2 + eIF5A aa 1-100 (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: Q9GZV4
General notes	Ab248154 is the carrier-free version of ab126735 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

ab248154 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

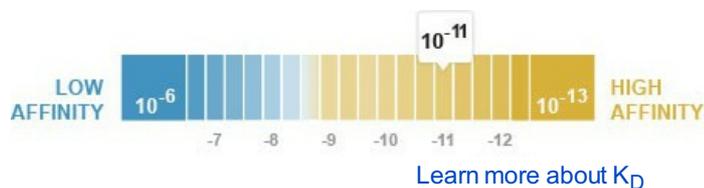
We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	K _D = 5.50 x 10 ⁻¹¹ M



Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR7411-6
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab248154** 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

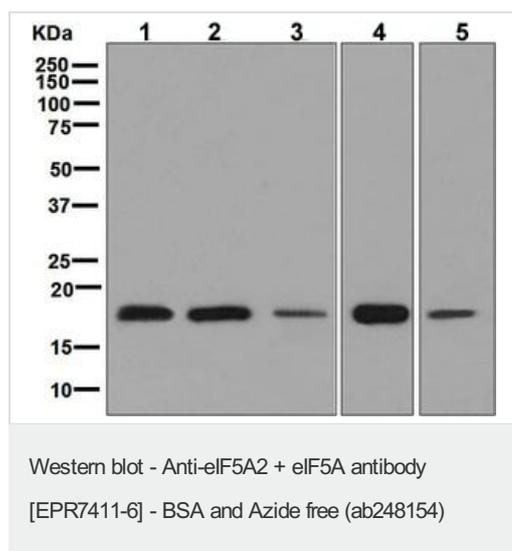
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).

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



All lanes : Anti-eIF5A2 + eIF5A antibody [EPR7411-6] ([ab126735](#)) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : A431 cell lysate

Lane 4 : Caco-2 cell lysate

Lane 5 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

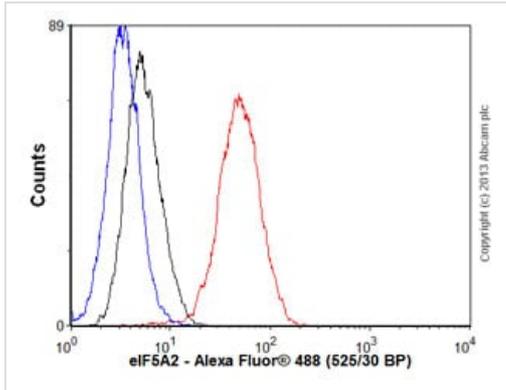
Secondary

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

Developed using the ECL technique.

Predicted band size: 17 kDa

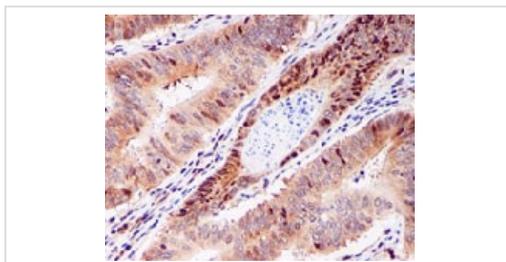
This data was developed using [ab126735](#), the same antibody clone in a different buffer formulation.



Flow Cytometry - Anti-eIF5A2 + eIF5A antibody [EPR7411-6] - BSA and Azide free (ab248154)

This data was developed using [ab126735](#), the same antibody clone in a different buffer formulation.

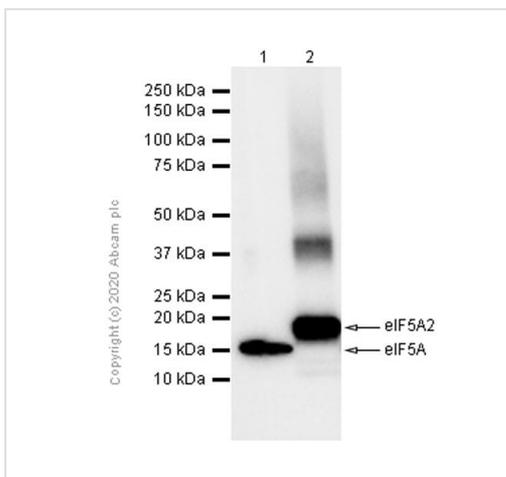
Overlay histogram showing HeLa cells stained with [ab126735](#) (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody ([ab126735](#), 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A2 + eIF5A antibody [EPR7411-6] - BSA and Azide free (ab248154)

This data was developed using [ab126735](#), the same antibody clone in a different buffer formulation.

[ab126735](#) 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.



Western blot - Anti-eIF5A2 + eIF5A antibody [EPR7411-6] - BSA and Azide free (ab248154)

All lanes : Anti-eIF5A2 + eIF5A antibody [EPR7411-6] ([ab126735](#)) at 1/2000 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

Predicted band size: 17 kDa

Observed band size: 15,20 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 20 seconds

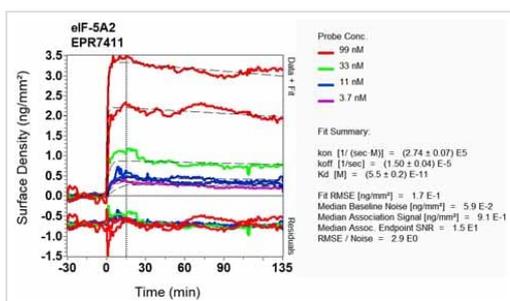
Blocking buffer: 5% NFD/MBST

This data was developed using [ab126735](#), the same antibody clone in a different buffer formulation.

This data was developed using [ab126735](#), 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\$](#)



SPR Scanning - Anti-eIF5A2 + eIF5A antibody
[EPR7411-6] - BSA and Azide free (ab248154)

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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