


Product datasheet

Anti-eIF5A2 + eIF5A antibody [EPR7412-47] ab126733

Recombinant RabMAb

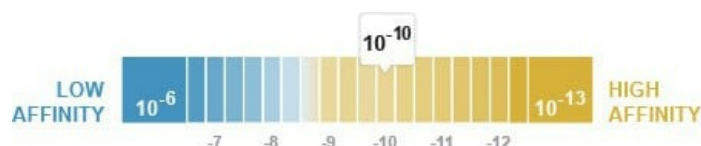
[1 References](#) [6 Images](#)

Overview

Product name	Anti-eIF5A2 + eIF5A antibody [EPR7412-47]
Description	Rabbit monoclonal [EPR7412-47] to eIF5A2 + eIF5A
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	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: Q9GZV4
Positive control	HepG2 and Caco 2 cell lysates; Human ovarian carcinoma tissue; HepG2 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 2.11 x 10 ⁻¹⁰ M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.31% Sodium citrate, 0.175% Sodium chloride, 0.0172% EDTA disodium salt, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7412-47
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126733 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

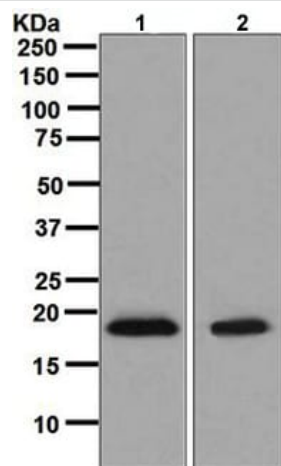
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

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] (ab126733)

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

Lane 1 : HepG2 cell lysate

Lane 2 : Caco-2 cell lysate

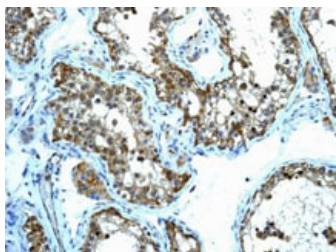
Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

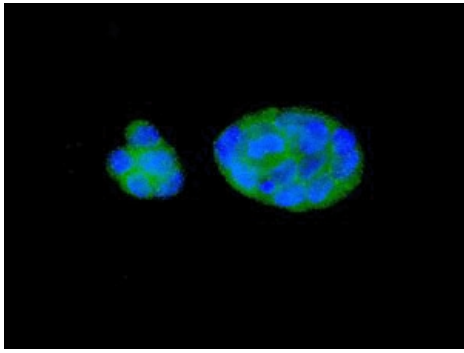
Predicted band size: 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-eIF5A2 + eIF5A antibody
[EPR7412-47] (ab126733)

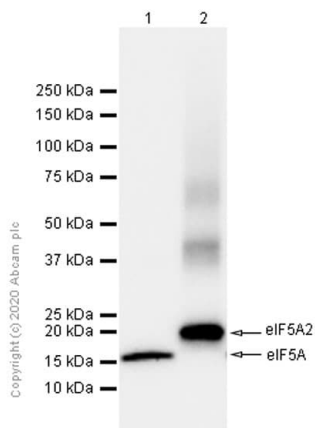
ab126733 at 1/100 dilution, staining eIF5A2 + eIF5A in Formalin-
fixed Paraffin-embedded Human ovarian carcinoma tissue by
Immunohistochemistry.

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



Immunocytochemistry/ Immunofluorescence - Anti-eIF5A2 + eIF5A antibody [EPR7412-47] (ab126733)

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] (ab126733)

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

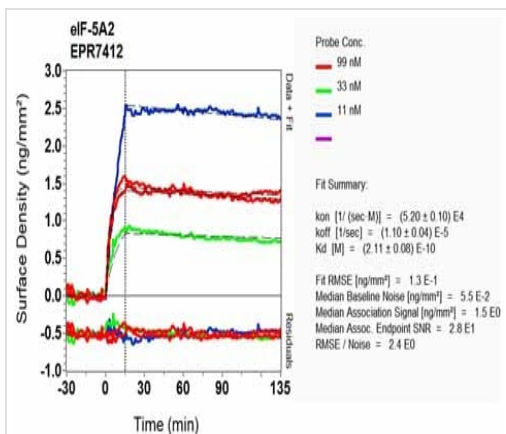
Developed using the ECL technique.

Predicted band size: 17 kDa

Observed band size: 15,20 kDa

Exposure time: 3 minutes

Blocking buffer: 5% NFDM/TBST



OI-RD Scanning - Anti-eIF5A2 + eIF5A antibody
 [EPR7412-47] (ab126733)

Equilibrium disassociation 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

Anti-eIF5A2 + eIF5A antibody [EPR7412-47]
 (ab126733)

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