


Anti-eIF5A antibody [EP526Y] ab32443

重组 RabMAb

★★★★★ **1 Abreviews** **16 References** **6 图像**

概述

产品名称	Anti-eIF5A抗体[EP526Y]
描述	兔单克隆抗体[EP526Y] to eIF5A
宿主	Rabbit
特异性	This antibody shows low affinity in recognizing eIF5A2 recombinant protein.
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF
种属反应性	与反应: Human, Recombinant fragment 预测可用于: Mouse, Rat, Drosophila melanogaster 
免疫原	Synthetic peptide within Human eIF5A aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <u>P63241</u>
阳性对照	Jurkat and HeLa whole cell lysate (<u>ab150035</u>) and Adenocarcinoma of human uterus slides.
常规说明	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 <u>see here</u> . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents</u> .

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EP526Y

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab32443于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/50 - 1/80. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/5000 - 1/10000. Predicted molecular weight: 18 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.
ICC/IF		1/500.

靶标

功能

mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. Involved in actin dynamics and cell cycle progression, mRNA decay and probably in a pathway involved in stress response and maintenance of cell wall integrity. With syntenin SDCBP, functions as a regulator of p53/TP53 and p53/TP53-dependent apoptosis. Regulates also TNF-alpha-mediated apoptosis. Mediates effects of polyamines on neuronal process extension and survival. May play an important role in brain development and function, and in skeletal muscle stem cell differentiation. Also described as a cellular cofactor of human T-cell leukemia virus type I (HTLV-1) Rex protein and of human immunodeficiency virus type 1 (HIV-1) Rev protein, essential for mRNA export of retroviral transcripts.

组织特异性

Expressed in umbilical vein endothelial cells and several cancer cell lines (at protein level).

序列相似性

Belongs to the eIF-5A family.

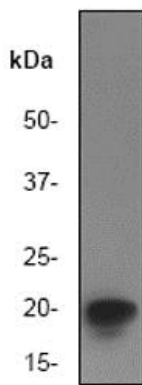
翻译后修饰

eIF-5A seems to be the only eukaryotic protein to have an hypusine residue which is a post-translational modification of a lysine by the addition of a butylamino group (from spermidine).

细胞定位

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.

图片

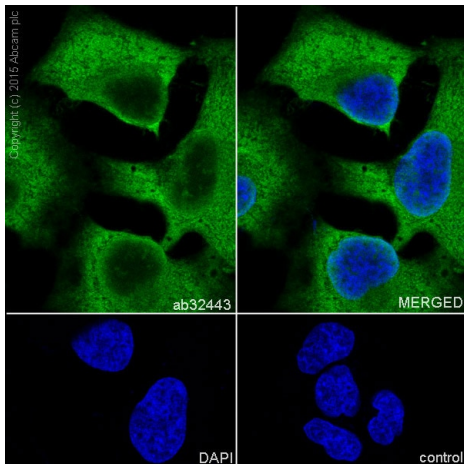


Western blot - Anti-eIF5A antibody [EP526Y]
(ab32443)

Anti-eIF5A antibody [EP526Y] (ab32443) at 1/10000 dilution + Jurkat cell lysate.

Predicted band size: 18 kDa

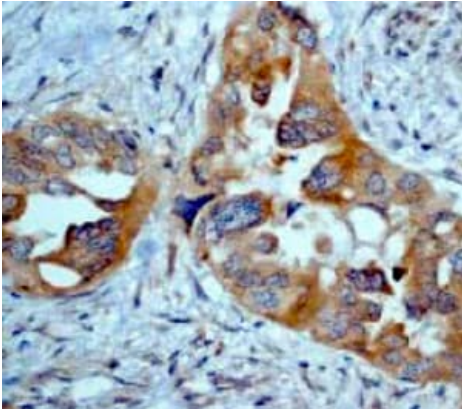
Observed band size: 18 kDa



Immunocytochemistry/ Immunofluorescence - Anti-eIF5A antibody [EP526Y] (ab32443)

Immunocytochemistry/Immunofluorescence analysis of HeLa (human cervix adenocarcinoma) cells labelling eIF5A with purified ab32443 at 1/500. Cells were fixed with 4% Paraformaldehyde. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (**ab150077**) at 1/1000 dilution was used as the secondary antibody. Nuclei counterstained with DAPI (blue).

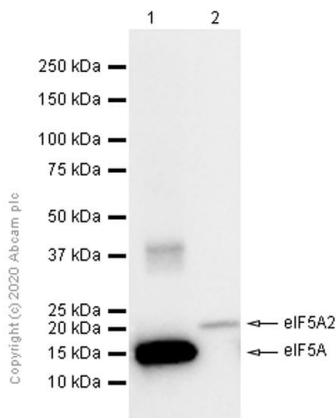
Secondary Only Control: PBS was used instead of the primary antibody as the negative control



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF5A antibody [EP526Y] (ab32443)

ab32443 at a 1:250 dilution staining eIF5A in human adenocarcinoma of uterus using Immunohistochemistry, Paraffin Embedded Tissue.

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



Western blot - Anti-eIF5A antibody [EP526Y] (ab32443)

All lanes : Anti-eIF5A antibody [EP526Y] (ab32443) 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

Developed using the ECL technique.

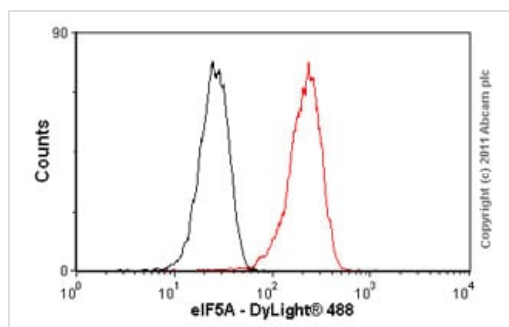
Predicted band size: 18 kDa

Observed band size: 15,20 kDa

Exposure time: 20 seconds

Blocking buffer: 5% NFDM/TBST

This antibody shows low affinity in recognizing eIF5A2 recombinant protein.



Flow Cytometry (Intracellular) - Anti-eIF5A antibody
[EP526Y] (ab32443)

Overlay histogram showing Jurkat cells stained with ab32443 (red line). The cells were fixed with 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 (ab32443, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit monoclonal IgG (0.5µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Jurkat cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween used under the same conditions.

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-eIF5A antibody [EP526Y] (ab32443)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors