DATASHEET

EIF5A Rabbit Polyclonal Antibody

CAT. NO. APA06941

KEY FEATURES

Target	EIF5A	**Source / Host**	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Rabbit, Sheep	**Clonality**	Polyclonal
Applications	WB, IF/ICC	**Conjugation**	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	**Storage**	at-20°C

BACKGROUND

Translation factor that promotes translation elongation and termination, particularly upon ribosome stalling at specific amino acid sequence contexts . Binds between the exit (E) and peptidyl (P) site of the ribosome and promotes rescue of stalled ribosome: specifically required for efficient translation of polyproline-containing peptides as well as other motifs that stall the ribosome . Acts as a ribosome quality control (RQC) cofactor by joining the RQC complex to facilitate peptidyl transfer during CAT tailing step . Also 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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to EIF5A
Specificity	Recognizes endogenous levels of EIF5A protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF5A. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 16 kD; Observed: 18 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Eukaryotic translation initiation factor 5A-1; eIF-5A-1; eIF-5A1; Eukaryotic initiation factor 5A isoform 1; eIF-5A; Rev-binding factor; eIF-4D
Gene Symbol	EIF5A
Entrez Gene	1984(Human); 276770(Mouse); 287444(Rat)
SwissProt	P63241(Human); P63242(Mouse); Q3T1J1(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

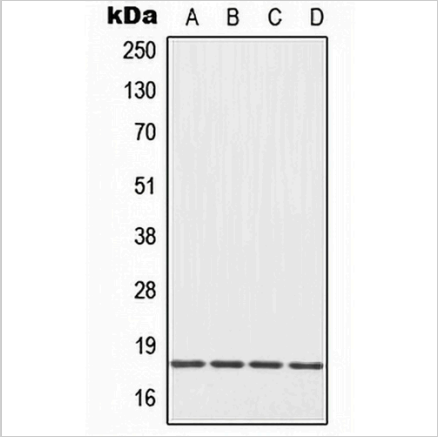
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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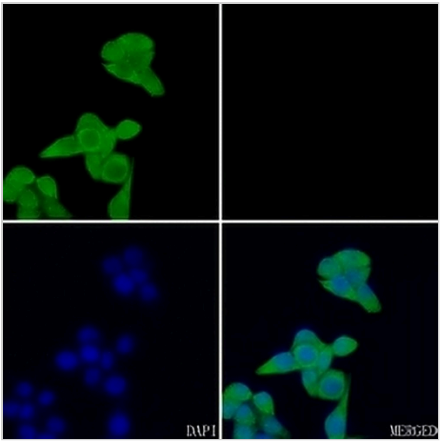
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DATA



Western blot analysis of EIF5A expression in Raji (A), HepG2 (B), Raw264.7 (C), PC12 (D) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 18 kD)



Immunofluorescent analysis of EIF5A staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.