

ARG55317 anti-eIF5A antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eIF5A
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eIF5A
Species	Human
Immunogen	Recombinant protein of Human EIF5A
Conjugation	Un-conjugated
Alternate Names	eIF5AI; Eukaryotic translation initiation factor 5A-1; eIF-5A-1; Rev-binding factor; Eukaryotic initiation factor 5A isoform 1; eIF-5A1; EIF-5A; eIF-4D; EIF5A1; eIF-5A

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2 and Mouse liver	
Observed Size	16 kDa	

Properties

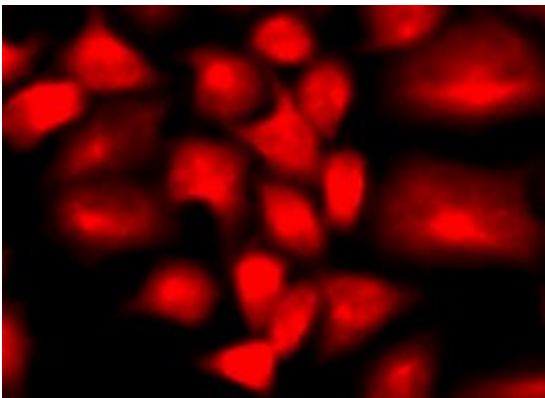
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

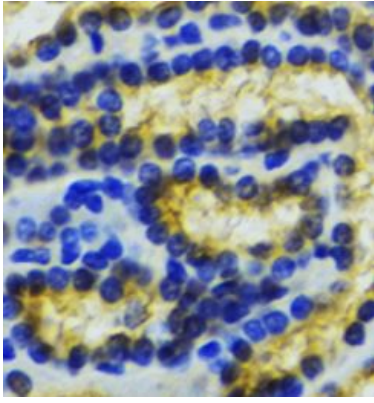
Database links	GeneID: 1984 Human GeneID: 276770 Mouse Swiss-port # P63241 Human Swiss-port # P63242 Mouse
Gene Symbol	EIF5A
Gene Full Name	eukaryotic translation initiation factor 5A
Function	mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, 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. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	Isoform 1: 17 kDa Isoform 2: 20 kDa
PTM	Acetylated. Deacetylated by SIRT2. eIF-5A seems to be the only eukaryotic protein to have a hypusine residue which is a post-translational modification of a lysine by the addition of a butylamino group (from spermidine).

Images



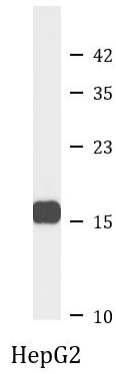
ARG55317 anti-eIF5A antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG55317 anti-eIF5A antibody.



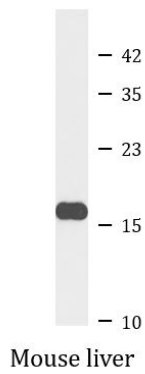
ARG55317 anti-eIF5A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney stained with ARG55317 anti-eIF5A antibody at 1:100 dilution.



ARG55317 anti-eIF5A antibody WB image

Western blot: HepG2 cell lysate stained with ARG55317 anti-eIF5A antibody.



ARG55317 anti-eIF5A antibody WB image

Western blot: Mouse liver lysate stained with ARG55317 anti-eIF5A antibody.