

ARG58630 anti-eIF5A antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eIF5A
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eIF5A
Species	Human
Immunogen	Synthetic peptide derived from Human eIF5A.
Conjugation	Un-conjugated
Alternate Names	eIF5A1; 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
	FACS	1:50
	ICC/IF	1:100 - 1:500
	IHC-P	1:50 - 1:200
	WB	1:5000 - 1:10000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 20 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 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.

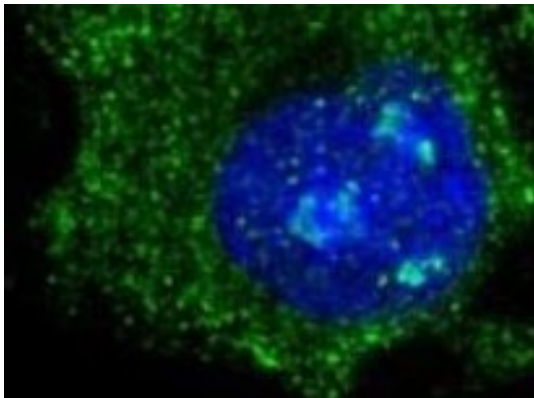
Note

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

Bioinformation

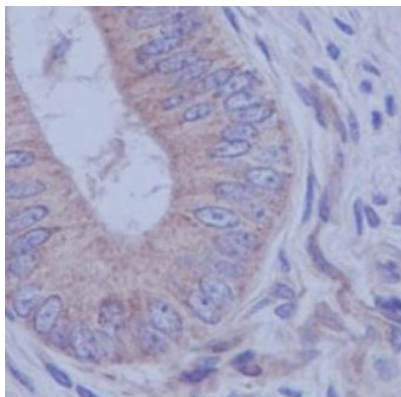
Gene Symbol	EIF5A
Gene Full Name	eukaryotic translation initiation factor 5A
Function	mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. Involved in actin dynamics and cell cycle progression, mRNA 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]
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). [UniProt]
Cellular Localization	Nucleus > Nuclear pore complex. [UniProt]

Images



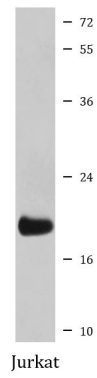
ARG58630 anti-eIF5A antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG58630 anti-eIF5A antibody.



ARG58630 anti-eIF5A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus cancer stained with ARG58630 anti-eIF5A antibody.



ARG58630 anti-eIF5A antibody WB image

Western blot: Jurkat cell lysate stained with ARG58630 anti-eIF5A antibody.