

ARG58591 anti-eIF4A2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eIF4A2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eIF4A2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 5-31 of Human eIF4A2. (SADYNREHGGPEGMDPDGVIESNWNEI)
Conjugation	Un-conjugated
Alternate Names	BM-010; ATP-dependent RNA helicase eIF4A-2; eIF-4A-II; eIF4A-II; DDX2B; Eukaryotic initiation factor 4A-II; EC 3.6.4.13; EIF4F; EIF4A

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
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 or below. 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.

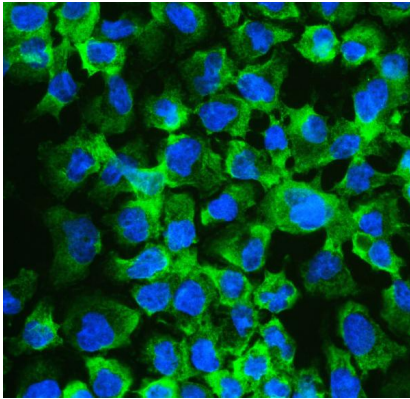
Note

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

Bioinformation

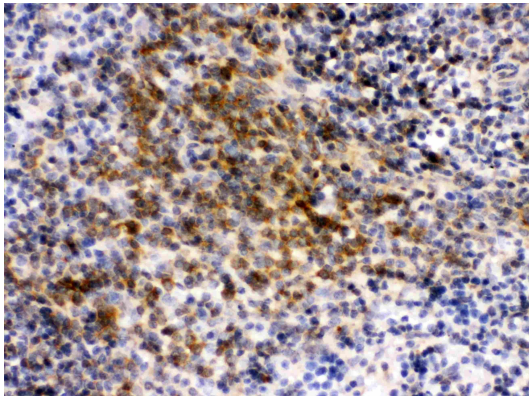
Gene Symbol	EIF4A2
Gene Full Name	eukaryotic translation initiation factor 4A2
Function	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon. [UniProt]
Calculated Mw	46 kDa

Images



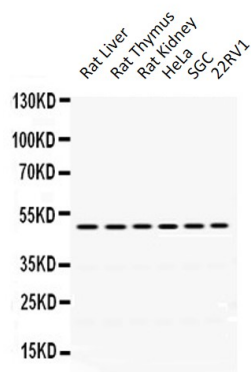
ARG58591 anti-eIF4A2 antibody ICC/IF image

Immunofluorescence: A431 cells were blocked with 10% goat serum and then stained with ARG58591 anti-eIF4A2 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



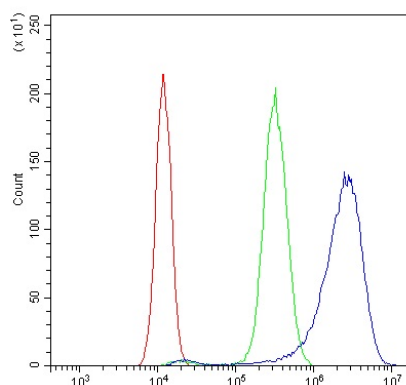
ARG58591 anti-eIF4A2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse Spleen Tissue stained with ARG58591 anti-eIF4A2 antibody.



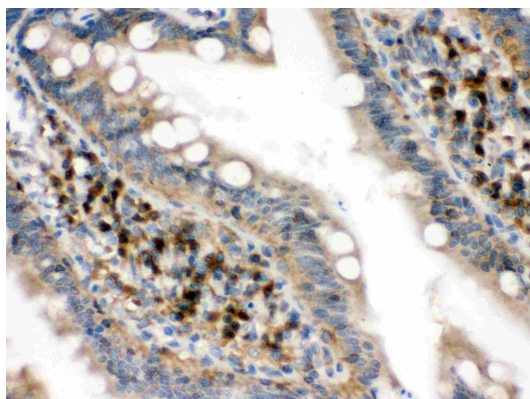
ARG58591 anti-eIF4A2 antibody WB image

Western blot: 50 µg of Rat Liver, 50 µg of Rat Thymus, 50 µg of Rat Kidney, 40 µg of HeLa, 40 µg of SGC and 40 µg of 22RV1 lysates stained with ARG58591 anti-eIF4A2 antibody at 0.5 µg/ml dilution.



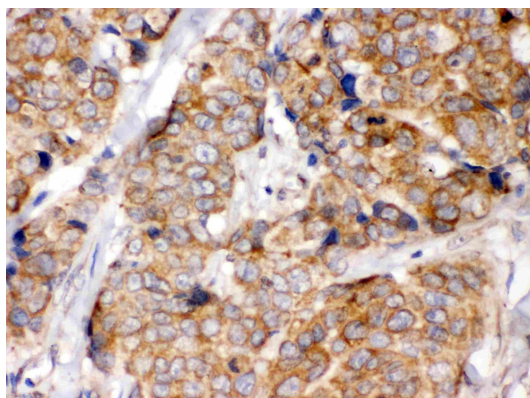
ARG58591 anti-eIF4A2 antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG58591 anti-eIF4A2 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG58591 anti-eIF4A2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat Intestine Tissue stained with ARG58591 anti-eIF4A2 antibody.



ARG58591 anti-eIF4A2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human Mammary Cancer Tissue stained with ARG58591 anti-eIF4A2 antibody.