

ARG66176 anti-eIF4A1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes eIF4A1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	The antibody detects endogenous eIF4A1 protein.
Host	Mouse
Clonality	Monoclonal
Target Name	eIF4A1
Species	Human
Immunogen	Synthetic peptide of Human eIF4A1.
Conjugation	Un-conjugated
Alternate Names	ATP-dependent RNA helicase eIF4A-1; EIF4A; Eukaryotic initiation factor 4A-I; EIF-4A; DDX2A; EC 3.6.4.13; eIF4A-I; eIF-4A-I

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
	IHC-P	1:50 - 1:300
	WB	1:1000 - 1:3000
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

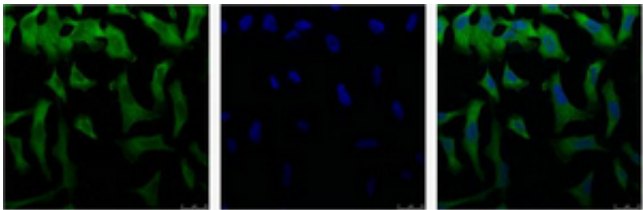
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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.

Bioinformation

Gene Symbol	EIF4A1
Gene Full Name	eukaryotic translation initiation factor 4A1
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

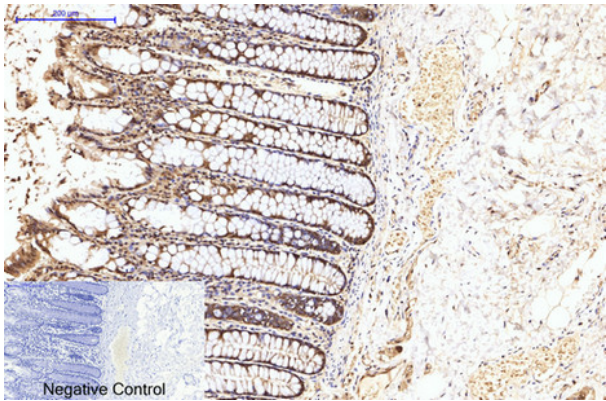
Images



ARG66176 anti-eIF4A1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG66176 anti-eIF4A1 antibody (green).

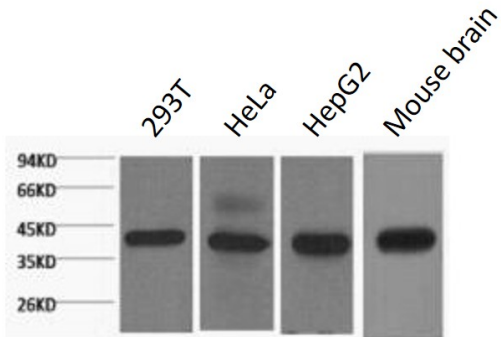
Left: Target. Middle: DAPI. Right: merge image.



ARG66176 anti-eIF4A1 antibody IHC-P image

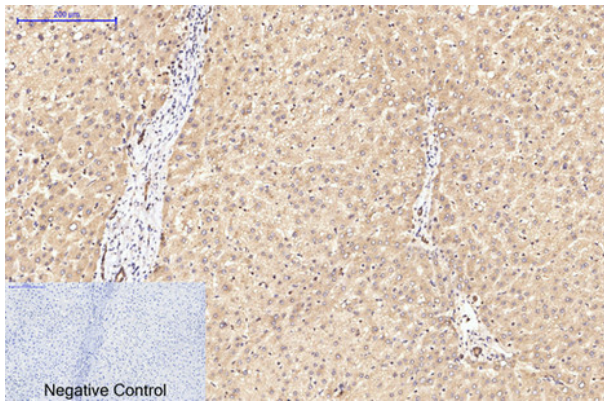
Immunohistochemistry: Paraffin-embedded Human colon cancer tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody WB image

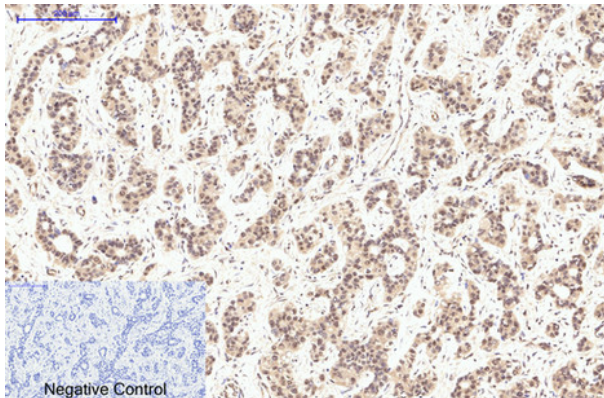
Western blot: 1) 293T, 2) HeLa, 3) HepG2, and 4) Mouse brain tissue lysates stained with ARG66176 anti-eIF4A1 antibody.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

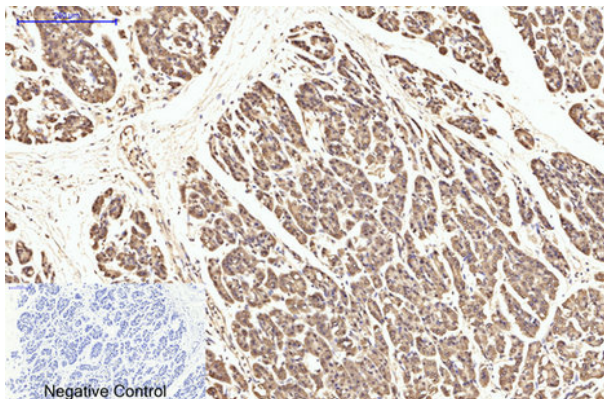
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

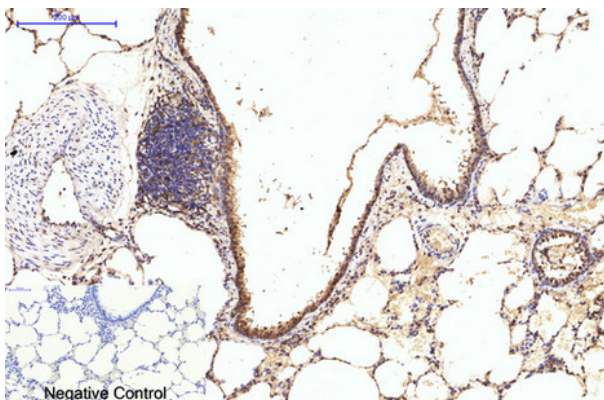
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach cancer tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

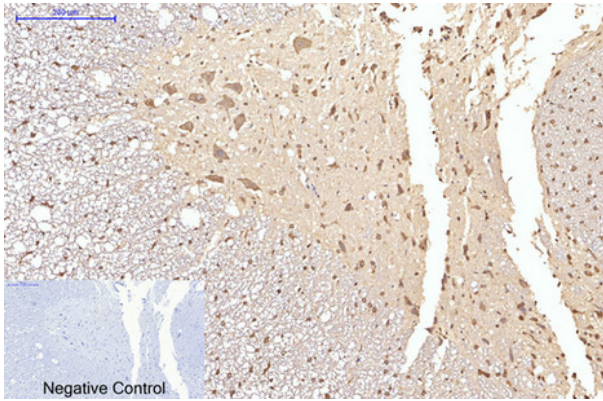
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lung tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

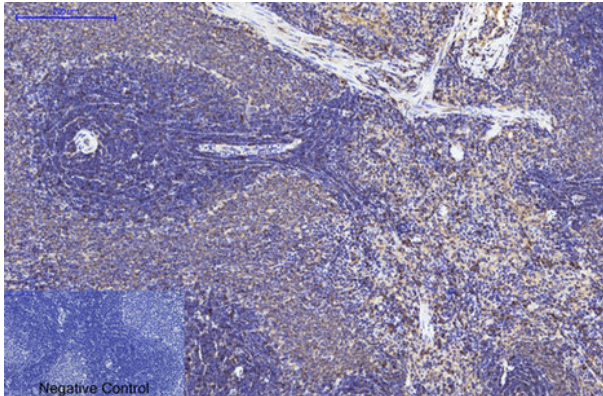
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spinal-cord tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

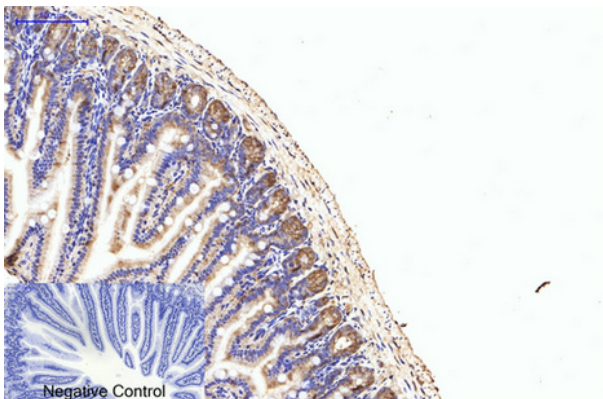
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

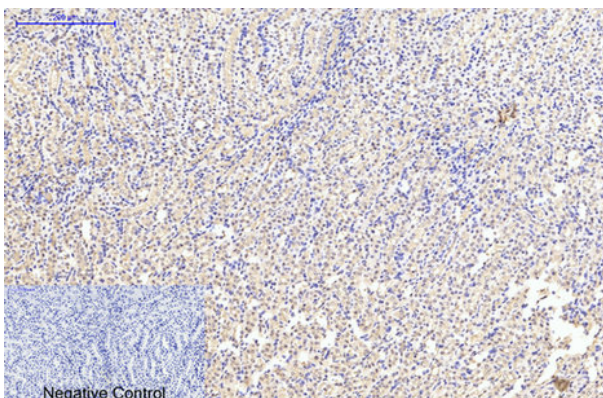
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse colon tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

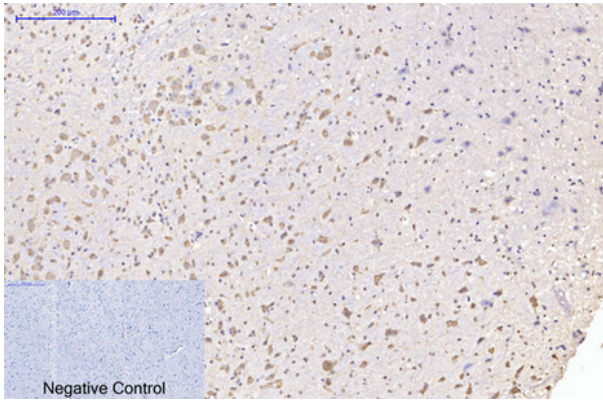
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

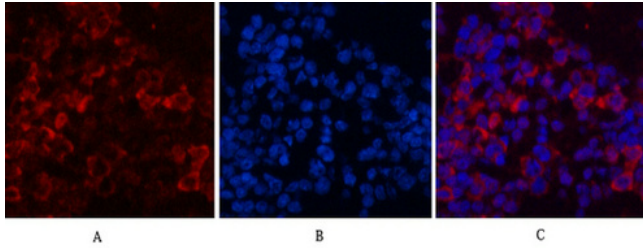
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG66176 anti-eIF4A1 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

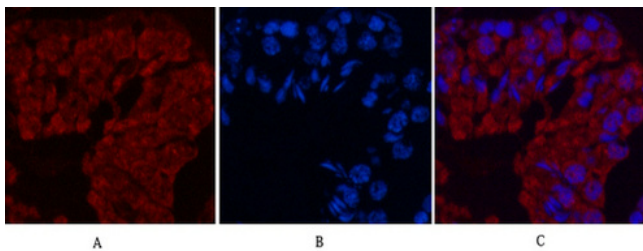
Negative control was used by secondary antibody only.



ARG66176 anti-eIF4A1 antibody IHC image

Immunohistochemistry: Mouse spleen tissue stained with ARG66176 anti-eIF4A1 antibody (red) at 1:200 dilution (4°C, overnight).

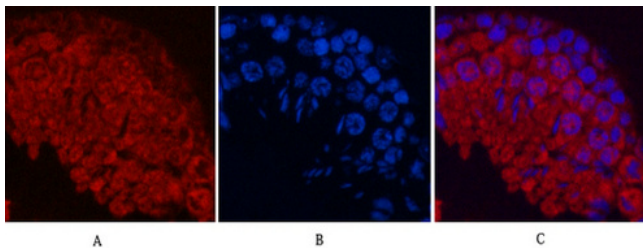
Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



ARG66176 anti-eIF4A1 antibody IHC image

Immunohistochemistry: Mouse testis tissue stained with ARG66176 anti-eIF4A1 antibody (red) at 1:200 dilution (4°C, overnight).

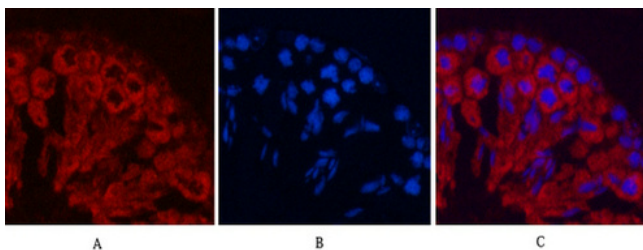
Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



ARG66176 anti-eIF4A1 antibody IHC image

Immunohistochemistry: Mouse testis tissue stained with ARG66176 anti-eIF4A1 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



ARG66176 anti-eIF4A1 antibody IHC image

Immunohistochemistry: Mouse testis tissue stained with ARG66176 anti-eIF4A1 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.