

产品名称: eIF4A1(M8)Mouse Monoclonal Antibody
产品货号: AMM10382



产品概述 (Summary)

产品名称 (Production Name)	eIF4A1(M8)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	PBS, pH 7.4, containing 0.5%protective protein, 0.02% New type preservative N as Preservative and 50% Glycerol.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	EIF4A1
别名 (Alternative Names)	Eukaryotic initiation factor 4A-I (eIF-4A-I) (eIF4A-I) (EC 3.6.4.13) (ATP-dependent RNA helicase eIF4A-1)
基因 ID (Gene ID)	1973.0
蛋白 ID (SwissProt ID)	P60842.Synthetic Peptide of eIF4A1

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:3000,IHC 1:50-1:300,ICC/IF 1:100-1:200
蛋白分子量 (Molecular Weight)	48kDa

研究背景 (Background)

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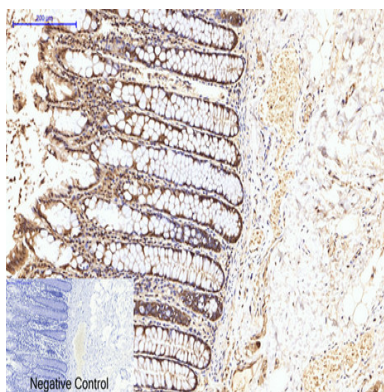


function:ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.,similarity:Belongs to the DEAD box helicase family.,similarity:Belongs to the DEAD box helicase family. eIF4A subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subunit:eIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIF4G3. Interacts with PAIP1, EIF4E and RENT2. Found in a complex with XPO7, EIF4A1, ARHGAP1, VPS26A, VPS29, VPS35 and SFN. May interact with NOM1.,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.,similarity:Belongs to the DEAD box helicase family.,similarity:Belongs to the DEAD box helicase family. eIF4A subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subunit:eIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIF4G3. Interacts with PAIP1, EIF4E and RENT2. Found in a complex with XPO7, EIF4A1, ARHGAP1, VPS26A, VPS29, VPS35 and SFN. May interact with NOM1.,

研究领域 (Research Area)

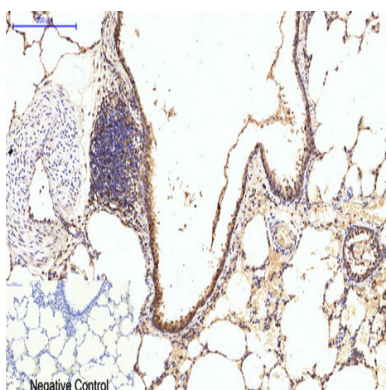
Epigenetics and Nuclear Signaling

图片 (Image Data)

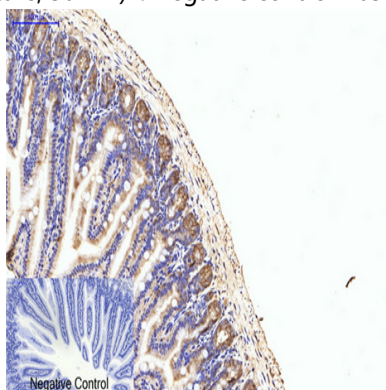


Immunohistochemical analysis of paraffin-embedded Human-colon-cancer tissue. 1,eIF4A1 Monoclonal Antibody (M8) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

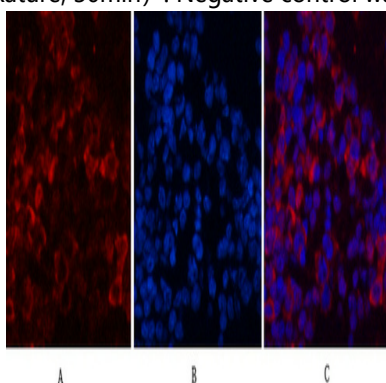
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Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,eIF4A1 Monoclonal Antibody (M8) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

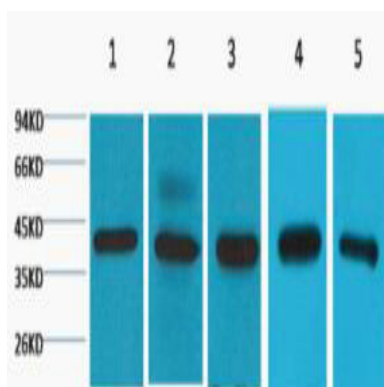


Immunohistochemical analysis of paraffin-embedded Mouse-colon tissue. 1,eIF4A1 Monoclonal Antibody (M8) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

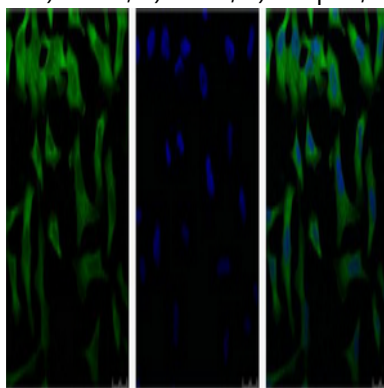


Immunofluorescence analysis of Mouse-spleen tissue. 1,eIF4A1 Monoclonal Antibody (M8) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) . 3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

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Western blot analysis of 1) 293T, 2) HeLa, 3) HepG2, 4) Mouse Brain tissue,



IF analysis of HeLa with antibody (Left) and DAPI (Right) diluted at 1:100.

注意事项 (Note)

For research use only .