

产品名称: eIF4E Rabbit Monoclonal Antibody
产品货号: AMRe85531



产品概述 (Summary)

产品名称 (Production Name)	eIF4E Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC, IP
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)	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	eIF4E
别名 (Alternative Names)	EIF4E; EIF4EL1; EIF4F; Eukaryotic translation initiation factor 4E; eIF-4E; eIF4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein
基因 ID (Gene ID)	1977.0
蛋白 ID (SwissProt ID)	P06730.A synthetic peptide of human eIF4E

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000, ICC 1:50-1:200, IP 1:10-1:20
蛋白分子量 (Molecular Weight)	Calculated MW: 25 kDa; Observed MW: 25 kDa

研究背景 (Background)

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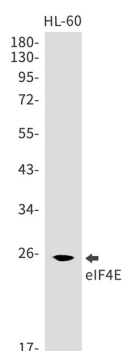


eIF4E, a protein modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. eIF4E also influences the overall rate of translation. eIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of eIF4E on serine 209 regulates the affinity of this protein for the 7 methyl GTP cap and/or RNA. Phosphorylation also enhances the interaction of eIF4E with eIF4G, which form a complex known as eIF4F. eIF4E phosphorylation is correlated with increased translational rate in a number of cell types.

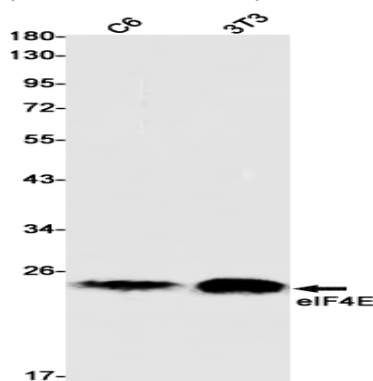
研究领域 (Research Area)

PI3K-Akt signaling pathway, mTOR signaling pathway

图片 (Image Data)

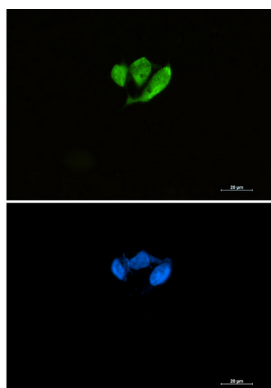


Western blot analysis of eIF4E in HL-60 lysates using eIF4E antibody.



Western blot analysis of eIF4E in C6, 3T3 lysates using eIF4E antibody

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Immunocytochemistry analysis of eIF4E (green) in HCT116 using eIF4E antibody, and DAPI(blue).

注意事项 (Note)

For research use only .