

产品名称: Phospho-4E-BP1 (Ser65) Mouse Monoclonal Antibody
产品货号: AMM81828



产品概述 (Summary)

产品名称 (Production Name)	Phospho-4E-BP1 (Ser65) Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	Mouse IgG1
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 PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	4E-BP1
别名 (Alternative Names)	EIF4EBP1; BP-1; 4EBP1; 4E-BP1; PHAS-I
基因 ID (Gene ID)	1978.0
蛋白 ID (SwissProt ID)	Q13541.Synthesized peptide of human Phospho-4E-BP1 (Ser65).

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:100-1:500, ELISA 1:5000-1:20000, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	12.6kDa

研究背景 (Background)

This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic

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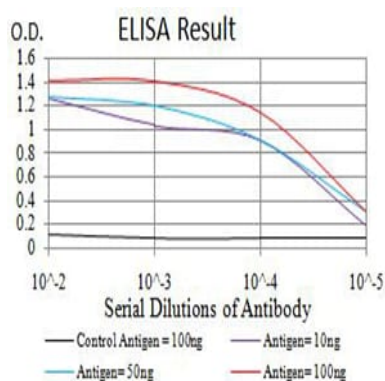


translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.

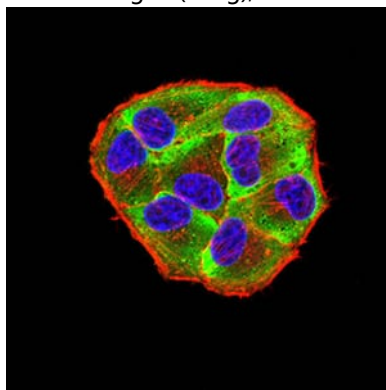
研究领域 (Research Area)

PI3K-Akt signaling pathway, mTOR signaling pathway

图片 (Image Data)

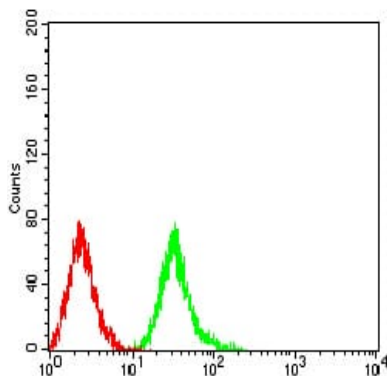


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

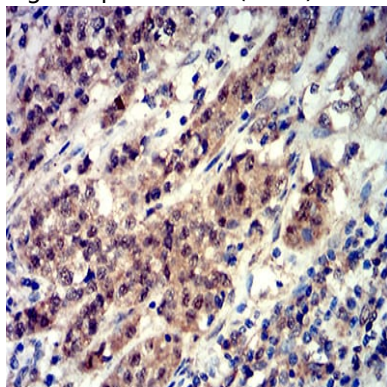


Immunofluorescence analysis of HeLa cells using Phospho-4E-BP1 (Ser65) mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

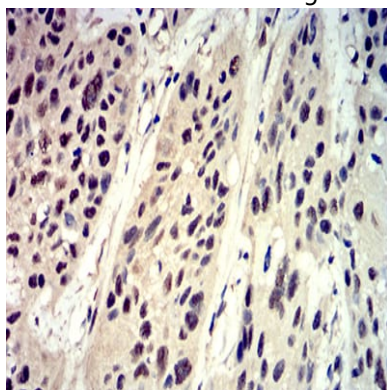
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Flow cytometric analysis of Jurkat cells using Phospho-4E-BP1 (Ser65) mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using Phospho-4E-BP1 (Ser65) mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using Phospho-4E-BP1 (Ser65) mouse mAb with DAB staining.

注意事项 (Note)

For research use only .