

产品名称: eIF3B (4Q7) Rabbit Monoclonal Antibody
产品货号: AMRe10372



产品概述 (Summary)

产品名称 (Production Name)	eIF3B (4Q7) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC
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)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	EIF3B
别名 (Alternative Names)	eIF3b; EIF3S9; hPrt1; PRT1;
基因 ID (Gene ID)	8662.0
蛋白 ID (SwissProt ID)	P55884.A synthetic peptide of human eIF3B

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:20000, ICC/IF 1:200-1:500, FC 1:10-1:100
蛋白分子量 (Molecular Weight)	93kDa

研究背景 (Background)

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the

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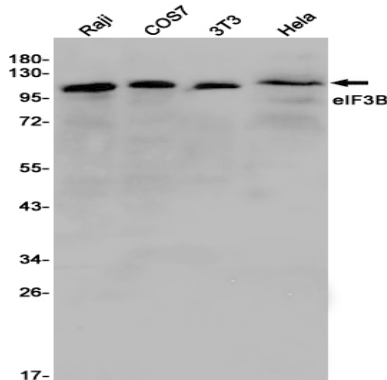


initiation of protein synthesis. RNA-binding component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed: [9388245](http://www.uniprot.org/citations/9388245), PubMed: [17581632](http://www.uniprot.org/citations/17581632), PubMed: [25849773](http://www.uniprot.org/citations/25849773), PubMed: [27462815](http://www.uniprot.org/citations/27462815)). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAⁱ and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed: [9388245](http://www.uniprot.org/citations/9388245), PubMed: [17581632](http://www.uniprot.org/citations/17581632)). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed: [25849773](http://www.uniprot.org/citations/25849773)).

研究领域 (Research Area)

Epigenetics and Nuclear Signaling

图片 (Image Data)



Western blot detection of eIF3B in Raji, COS7, 3T3, HeLa cell lysates using eIF3B antibody (1:1000 diluted).

注意事项 (Note)

For research use only.