Product Name: eIF3B (4Q7) Rabbit Monoclonal Antibody
Catalog #: AMRe10372

Summary

Production Name	eIF3B (4Q7) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	EIF3B {ECO:0000255|HAMAP-Rule:MF_03001}
Alternative Names	eIF3b; EIF3S9; hPrt1; PRT1;
Gene ID	8662.0
SwissProt ID	P55884.A synthetic peptide of human eIF3B

Application

Dilution Ratio	WB: 1:2000-1:10000
Molecular Weight	93kDa

Background

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

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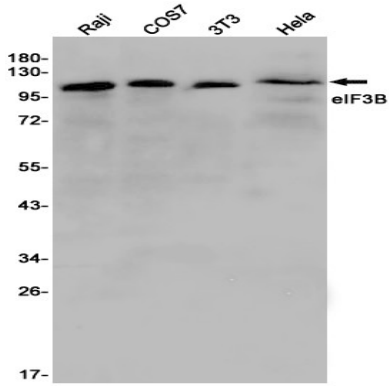
initiation of protein synthesis. RNA-binding component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:9388245, PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 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, PubMed: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).

Research Area

Image Data



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

Note

For research use only.