

eIF3B Rabbit mAb

Catalog # AP78427

Product Information

Application	WB, IF, FC, ICC, IP
Primary Accession	P55884
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human eIF3B
Purification	Affinity Purified
Calculated MW	92482

Additional Information

Gene ID	8662
Other Names	EIF3B
Dilution	WB~~1/500-1/1000 IF~~1:50~200 FC~~1:10~50 ICC~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

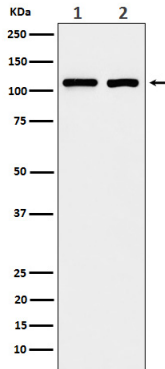
Name	EIF3B {ECO:0000255 HAMAP-Rule:MF_03001}
Function	RNA-binding component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed: 17581632 , PubMed: 25849773 , PubMed: 27462815 , PubMed: 9388245). The eIF-3 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: 17581632 , PubMed: 9388245). 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](#)).

Cellular Location

Cytoplasm {ECO:0000255 | HAMAP-Rule:MF_03001}. Cytoplasm, Stress granule.
Note=Localizes to stress granules following cellular stress

Images



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