

anti-Human eIF3B Monoclonal Antibody | anti-eIF3B antibody

eIF3B Rabbit mAb

CATALOG # AAA314349	HOST Recombinant Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

eIF3B; Monoclonal Antibody; eIF3B Rabbit mAb; PRT1; EIF3S9; EIF3-ETA; EIF3-P110; EIF3-P116; anti-eIF3B antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S09-2A9
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-eIF3B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human eIF3B
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of eIF3B in paraffin-embedded Human breast cancer tissue using eIF3B Rabbit mAb at dilution 1/20



WB (Western Blot)

Western blot detection of eIF3B in K562, Hela cell lysates using eIF3B Rabbit mAb(1:1000 diluted). Predicted band size: 93kDa. Observed band size: 117kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-eIF3B antibody	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).
Product Categories/Family for anti-eIF3B antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	218512094
NCBI GeneID	8662
UniProt Accession #	P55884; Q2NL77; Q9UMF9; A4D208
Molecular Weight	99,029 Da
NCBI Official Full Name	Eukaryotic translation initiation factor 3 subunit B {ECO:0000255 HAMAP-Rule:MF_03001}
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit B
NCBI Official Symbol	EIF3B
NCBI Official Synonym Symbols	PRT1; EIF3S9; EIF3-ETA; EIF3-P110; EIF3-P116
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit B {ECO:0000255 HAMAP-Rule:MF_03001}; hPrt1; eIF-3-eta; eIF3 p110; eIF3 p116; prt1 homolog; eukaryotic translation initiation factor 3 subunit 9; eukaryotic translation initiation factor 3, subunit 9 eta,
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit B
UniProt Gene Name	EIF3B
UniProt Synonym Gene Names	eIF3b
UniProt Entry Name	EIF3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/eif3b-antibody-clone-s09-2a9-immunohistochemistry-western-blot-elisa/314349>