

Rabbit anti-Human, Mouse EIF3B Polyclonal Antibody | anti-EIF3B antibody

EIF3B Antibody

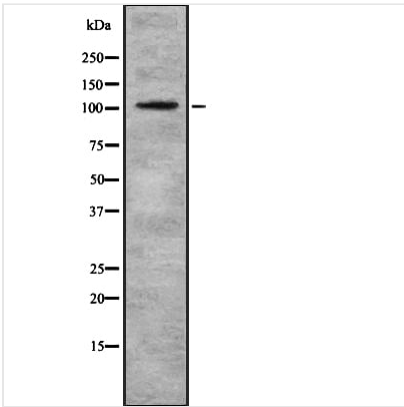
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327483	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

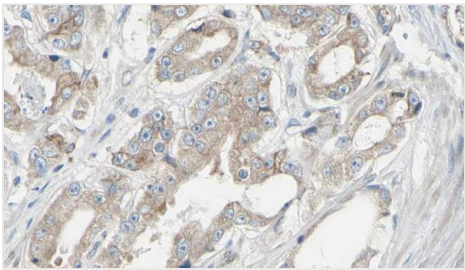
EIF3B; Polyclonal Antibody; EIF3B Antibody; eIF-3-eta; eIF3 eta; eIF3 p110; eIF3 p116; EIF3-ETA; EIF3-P110; EIF3-P116; eIF3b; EIF3B_HUMAN; EIF3S9; formerly; Eukaryotic translation initiation factor 3; subunit B; Eukaryotic translation initiation factor 3 subunit 9; eukaryotic translation initiation factor 3 subunit 9 eta; Eukaryotic translation initiation factor 3 subunit B; eukaryotic translation initiation factor 3; subunit 9 (eta; 116kD); subunit 9 eta; 116kDa; subunit 9; hPrt1; Protein synthesis defective at 36 degrees celsius 1; S. cerevisiae; homolog of; PRT1; Prt1 homolog; anti-EIF3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	EIF3B antibody detects endogenous levels of total EIF3B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	814
Applicable Applications for anti-EIF3B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EIF3B
Subcellular Location	Cytoplasm.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of EIF3B using COS7 whole cell lysates



IHC (Immunohistochemistry)
AAA327483 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3B antibody	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: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). Subunit Structure: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is composed of 13 subunits: EIF3A, EIF3B, EIF3C, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L and EIF3M. The eIF-3 complex appears to include 3 stable modules: module A is composed of EIF3A, EIF3B, EIF3G and EIF3I; module B is composed of EIF3F, EIF3H, and EIF3M; and module C is composed of EIF3C, EIF3D, EIF3E, EIF3K and EIF3L. EIF3C of module C binds EIF3B of module A and EIF3H of module B, thereby linking the three modules. EIF3J is a labile subunit that binds to the eIF-3 complex via EIF3B. The eIF-3 complex interacts with RPS6KB1 under conditions of nutrient depletion. Mitogenic stimulation leads to binding and activation of a complex composed of MTOR and RPTOR, leading to phosphorylation and release of RPS6KB1 and binding of EIF4B to eIF-3. Also interacts with UPF2 and HNRPD. Interacts with METTL3 (PubMed:27117702). Post-translational Modifications: Phosphorylated. Phosphorylation is enhanced upon serum stimulation. Similarity: The RRM domain mediates interaction with EIF3J. Belongs to the eIF-3 subunit B family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83367072
NCBI GeneID	8662
NCBI Accession #	NP_001032360.1
NCBI GenBank Nucleotide #	NM_001037283.1
UniProt Accession #	P55884; Q2NL77; Q9UMF9; A4D208
Molecular Weight	Observed: 116 kDa Predicted: 93 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit B isoform 1
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
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit B
UniProt Gene Name	EIF3B
UniProt Synonym Gene Names	EIF3S9UniRule annotationManual assertion according to rulesiHAMAP-Rule:MF_03001; eIF3b

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/polyclonal/eif3b-antibody-immunohistochemistry-western-blot-elisa/327483>