

Product Name: KD-Validated EIF3B Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00773**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 92.5kDa

Antigen Information

Gene Name	EIF3B EIF3B; Eukaryotic Translation Initiation Factor 3 Subunit B; EIF3S9; PRT1; Eukaryotic Translation Initiation Factor 3, Subunit 9 Eta, 116kDa; Eukaryotic Translation Initiation Factor 3 Subunit 9; Protein Synthesis 1; Prt1 Homolog; Eukaryotic Translation Initiation Factor 3, Subunit 9 (Eta, 116kD); Eukaryotic Translation Initiation Factor 3, Subunit B; EIF3-P110; EIF3-P116; EIF-3-Eta; EIF3 P110; EIF3 P116; EIF3-ETA; EIF3b; HPrt1
Alternative Names	
Gene ID	8662.0
SwissProt ID	P55884
Immunogen	A synthesized peptide derived from human eIF3B

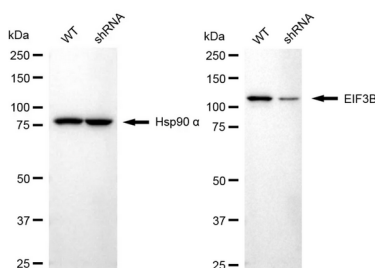
Background

Enables RNA binding activity. Contributes to translation initiation factor activity. Involved in several processes, including IRES-dependent viral translational initiation; translational initiation; and viral translational termination-reinitiation. Located in cytoplasmic stress granule. Part of eukaryotic translation initiation factor 3 complex. [provided by Alliance of Genome Resources, Jul 2025]

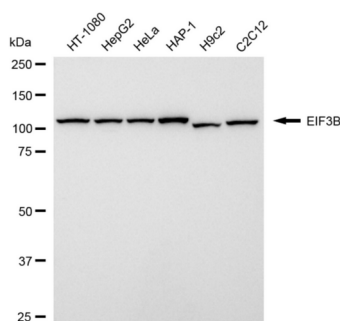
Research Area

Epigenetics and Nuclear Signaling

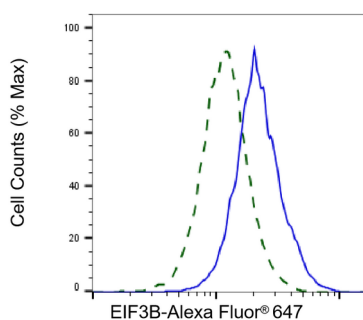
Image Data



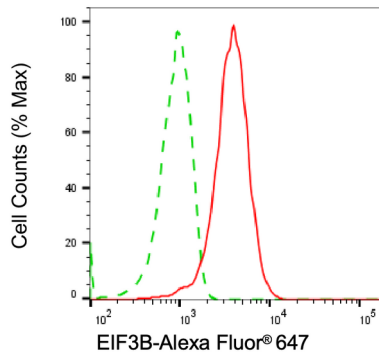
Western blotting analysis using EIF3B antibody (KVA00773). EIF3B expression in wild type (WT) and EIF3B shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with EIF3B antibody (KVA00773, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using EIF3B antibody (KVA00773). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EIF3B antibody (KVA00773, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. EIF3B, eukaryotic translation initiation factor 3 subunit B.



Validation of EIF3B knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with EIF3B antibody (KVA00773, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of EIF3B expression in HepG2 cells using EIF3B antibody (KVA00773, 1:2,000). Green, isotype control; red, EIF3B.