
Product Name: KD-Validated Phospho-eIF4B (S406) Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01353**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 69.2kDa

Antigen Information

Gene Name	eIF4B
Alternative Names	EIF4B; Eukaryotic Translation Initiation Factor 4B; EIF-4B; PRO1843
Gene ID	1975.0
SwissProt ID	P23588
Immunogen	A synthesized peptide derived from human Phospho-eIF4B (S406)

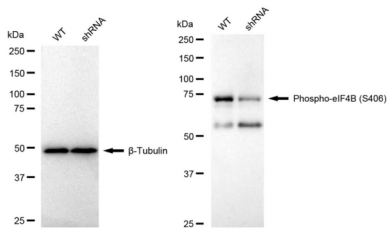
Background

Enables RNA binding activity. Predicted to be involved in eukaryotic translation initiation factor 4F complex assembly and formation of translation preinitiation complex. Located in cytosol. Biomarker of autism spectrum disorder and major depressive disorder. [provided by Alliance of Genome Resources, Jul 2025]

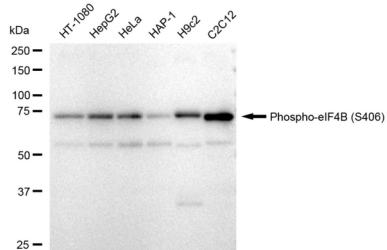
Research Area

Epigenetics and Nuclear Signaling

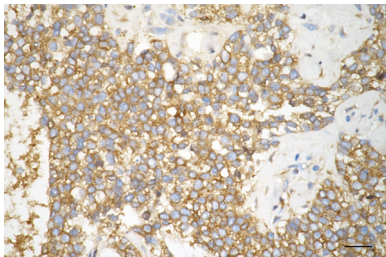
Image Data



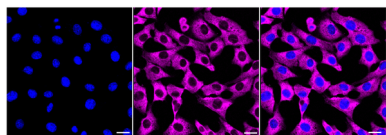
Western blotting analysis using Phospho-eIF4B (S406) antibody (KVA01353). Phospho-eIF4B (S406) expression in wild type (WT) and Phospho-eIF4B (S406) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Phospho-eIF4B (S406) antibody (KVA01353, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



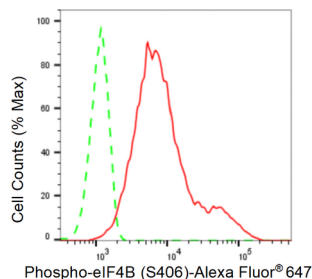
Western blotting analysis using Phospho-eIF4B (S406) antibody (KVA01353). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospho-eIF4B (S406) antibody (KVA01353, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using phospho-eIF4B (S406) antibody (KVA01353, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with Phospho-eIF4B (S406) antibody (KVA01353, 1:1,000). Nuclei were stained blue with DAPI; Phospho-eIF4B (S406) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Phospho-eIF4B (S406) expression in C2C12 cells using Phospho-eIF4B (S406) antibody (KVA01353, 1:2,000). Green, isotype control; red, Phospho-eIF4B (S406).