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Anti-EIF4B Antibody

Catalog # AP95811

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P23588
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	69151

Additional Information

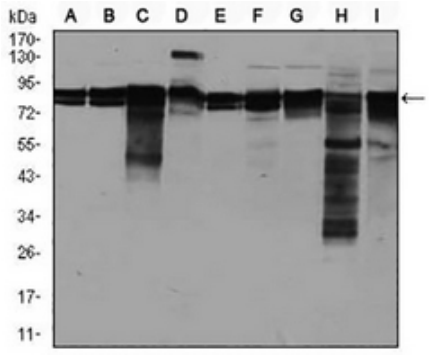
Gene ID	1975
Other Names	EukaryotIC, translation initiation factor 4B; eIF-4B
Target/Specificity	Recombinant fusion protein of human EIF4B expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

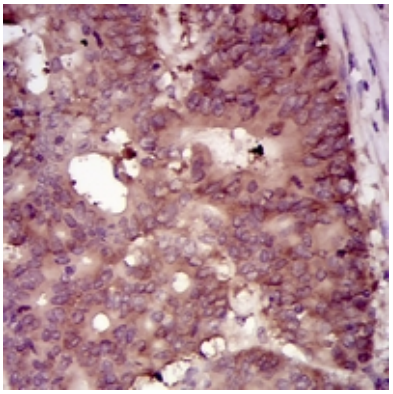
Protein Information

Name	EIF4B
Function	Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

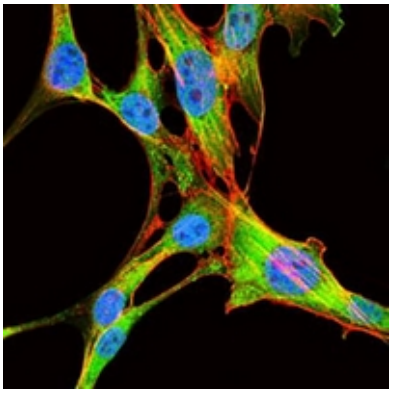
Images

Western blot analysis of EIF4B expression in A549 (A), A431 (B), HepG2 (C), HEK293 (D), Hela (E), Jurkat (F), K562 (G), NIH3T3 (H), MCF7 (I) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 80 kD)

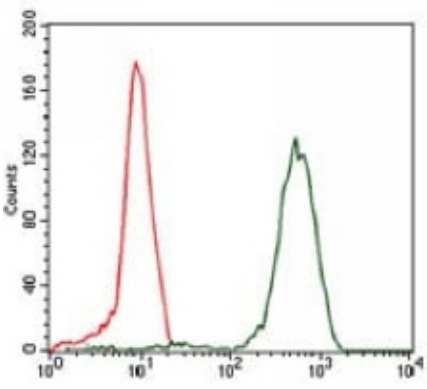




Immunohistochemical analysis of EIF4B staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of EIF4B staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-EIF4B Antibody (green) and negative control (red).