

## Product datasheet for **AM06769PU-N**

### EIF4B Mouse Monoclonal Antibody [Clone ID: 1F5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1F5
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000. <b>Flow Cytometry:</b> 1/200 - 1/400. <b>Immunocytochemistry:</b> 1/200 - 1/1000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human EIF4B expressed in <i>E. Coli</i> .
Specificity:	Recognizes EIF4B
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 0.5% protein stabilizer Preservative: 0.05% sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	eukaryotic translation initiation factor 4B
Database Link:	<a href="#">Entrez Gene 1975 Human P23588</a>



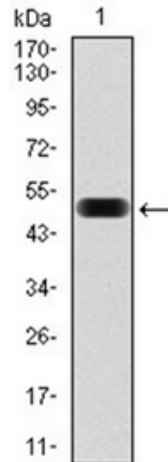
[View online »](#)

**Background:**

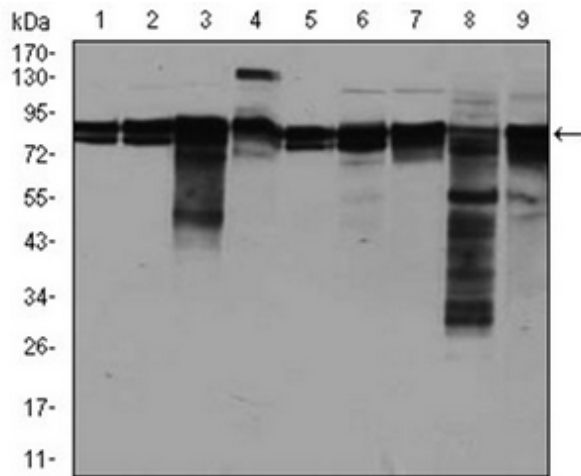
The eukaryotic translation initiation factor 4B (eIF4B) plays a critical role in recruiting the 40S ribosomal subunit to the mRNA. It functions in close association with eIF4F and eIF4A. It binds near the 5'-terminal cap of mRNA in the presence of eIF4F and ATP. It promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both eIF4A and eIF4F

**Synonyms:**

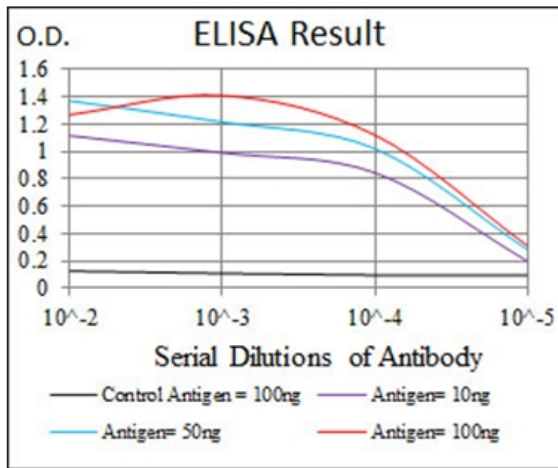
Eukaryotic translation initiation factor 4B, eIF-4B

**Product images:**


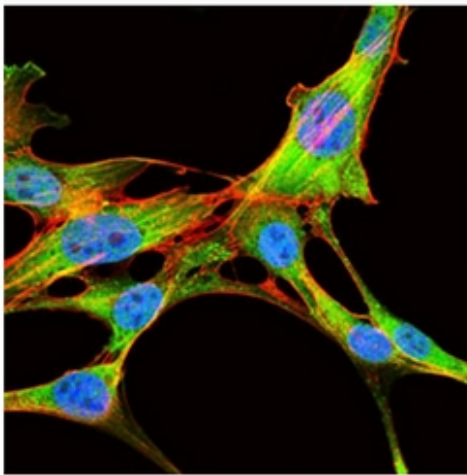
Western blot analysis using EIF4B antibody against human EIF4B (AA: 381-585) recombinant protein. (Expected MW is 48.3 kDa)



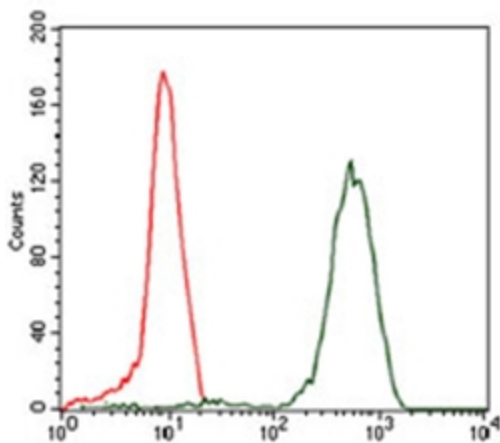
Western blot analysis using EIF4B antibody against A549 (Lane 1), A431 (Lane 2), HepG2 (Lane 3), HEK293 (Lane 4), HeLa (Lane 5), Jurkat (Lane 6), K562 (Lane 7), NIH3T3 (Lane 8), and MCF-7 (Lane 9) cell lysate.



Red: Control Antigen (100 ng) Purple: Antigen (10 ng) Green: Antigen (50 ng) Blue: Antigen (100 ng)



Immunofluorescence analysis of NIH3T3 cells using EIF4B antibody EIF4B (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using EIF4B antibody (green) and Negative Control (red).