10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EIF4B Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM1962a

Product Information

Application	WB, E
Primary Accession	P23588
Other Accession	NP_001408.2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	355CT12.6.5
Calculated MW	69151

Additional Information

Gene ID	1975
Other Names	Eukaryotic translation initiation factor 4B, eIF-4B, EIF4B
Target/Specificity	This EIF4B monoclonal antibody is generated from mouse immunized with EIF4B recombinant protein.
Dilution	WB~~1:500~4000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EIF4B Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Background

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.

References

Mokas, S., et al. Mol. Biol. Cell 20(11):2673-2683(2009)
Rozovsky, N., et al. RNA 14(10):2136-2148(2008)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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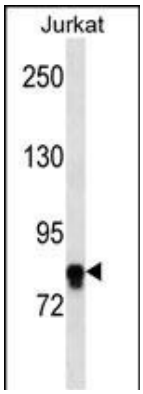
Images



EIF4B Antibody (Cat. #AM1962a) western blot analysis in Jurkat cell line lysates (35µg/lane).This demonstrates the EIF4B antibody detected the EIF4B protein (arrow).