

For Research Use Only

# EIF4A2 Monoclonal antibody

Catalog Number: 67799-1-Ig



## Basic Information

<b>Catalog Number:</b> 67799-1-Ig	<b>GenBank Accession Number:</b> BC012547	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1974	<b>CloneNo.:</b> 2D11E11
<b>Source:</b> Mouse	<b>Full Name:</b> eukaryotic translation initiation factor 4A, isoform 2	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IF 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 408 aa, 46 kDa	
<b>Immunogen Catalog Number:</b> AG9085	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Rat, Mouse	<b>WB :</b> LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, 4T1 cells
	<b>IF :</b> HEK-293 cells,

## Background Information

Eukaryotic initiation factor 4A (EIF4A) has an essential role in the binding of mRNA to the 43S preinitiation complex when protein synthesis begins, as EIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon. EIF4A2 is a ATP-dependent RNA helicase, which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome.

## Storage

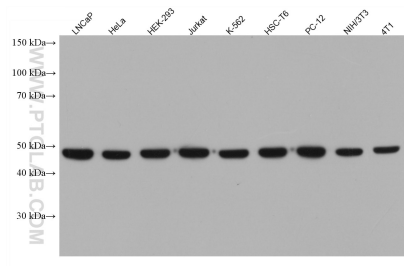
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

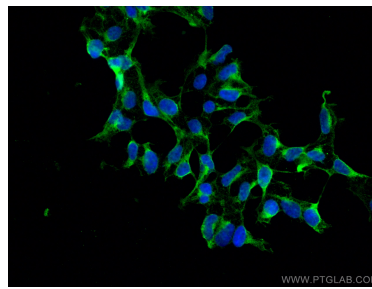
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67799-1-Ig (EIF4A2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using EIF4A2 antibody (67799-1-Ig, Clone: 2D11E11 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).