

For Research Use Only

# EIF4A2 Monoclonal antibody, PBS Only



Catalog Number: 67799-1-PBS

## Basic Information

<b>Catalog Number:</b> 67799-1-PBS	<b>GenBank Accession Number:</b> BC012547	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1974	<b>CloneNo.:</b> 2D11E11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q14240	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> eukaryotic translation initiation factor 4A, isoform 2	
<b>Immunogen Catalog Number:</b> AG9085	<b>Calculated MW:</b> 408 aa, 46 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

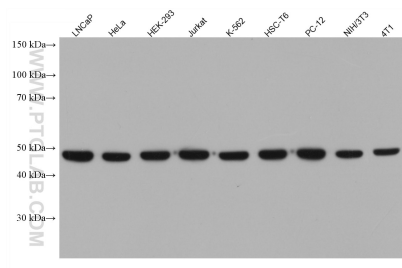
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

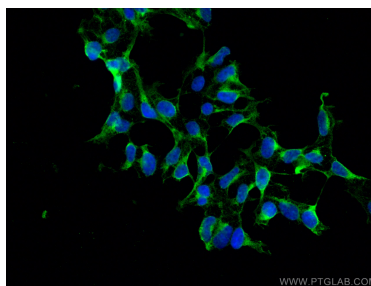
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

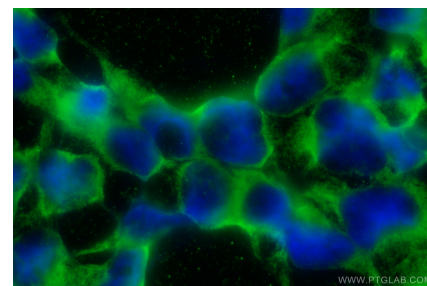
## Selected Validation Data



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. This data was developed using the same antibody clone with 67799-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67799-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using EIF4A2 antibody (67799-1-Ig, Clone: 2D11E11 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67799-1-PBS in a different storage buffer formulation.