

For Research Use Only

# EIF4A2 Monoclonal antibody, PBS Only



Catalog Number: 67799-1-PBS

## Basic Information

Catalog Number:

67799-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG9085

GenBank Accession Number:

BC012547

GeneID (NCBI):

1974

UNIPROT ID:

Q14240

Full Name:

eukaryotic translation initiation factor 4A, isoform 2

Calculated MW:

408 aa, 46 kDa

Observed MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

2D11E11

## Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human, Rat, Mouse

## 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:

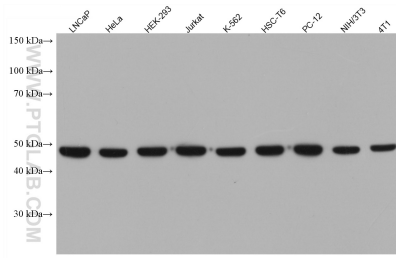
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

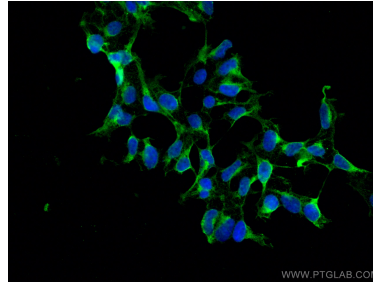
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## Selected Validation Data



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. 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.