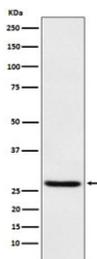


## EIF4E Antibody [clone AFHI-5] (RQ5157)

Catalog No.	Formulation	Size
RQ5157	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

<b>Availability</b>	1-2 weeks
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	AFHI-5
<b>Purity</b>	Affinity purified
<b>UniProt</b>	P06730
<b>Applications</b>	Western Blot : 1:100-1:5000
<b>Limitations</b>	This EIF4E antibody is available for research use only.



EIF4E Antibody WB. Western blot testing of human HEK293 cell lysate with EIF4E antibody. Predicted molecular weight ~27 kDa.

### Description

EIF4E Antibody detects eIF4E, a protein that modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. eIF4E also influences the overall rate of translation. eIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of eIF4E on serine 209 regulates the affinity of this protein for the 7 methyl GTP cap and/or RNA. Phosphorylation also enhances the interaction of eIF4E with eIF4G, which form a complex known as eIF4F. eIF4E phosphorylation is correlated with increased translational rate in a number of cell types.

Additional EIF4E antibody formats and validation data are available on our main [EIF4E Antibody](#) page.

## Application Notes

Optimal dilution of the EIF4E antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human EIF4E was used as the immunogen for the EIF4E antibody.

## Storage

Store the EIF4E antibody at -20oC.