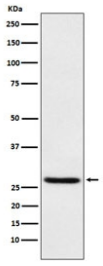
EIF4E Antibody [clone AFHI-5] (RQ5157)

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

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AFHI-5
Purity	Affinity purified
UniProt	P06730
Applications	Western blot: 1:100-1:5000
Limitations	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.

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