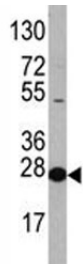


## EIF4E Antibody (F47410)

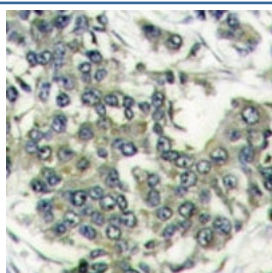
Catalog No.	Formulation	Size
F47410-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47410-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Mouse, Rat, Bovine, Zebrafish, Rabbit, Xenopus
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	P06730
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
<b>Limitations</b>	This EIF4E antibody is available for research use only.



Western blot analysis of EIF4E antibody and HL-60 lysate. Predicted molecular weight ~27 kDa.



IHC analysis of FFPE human breast carcinoma stained with EIF4E antibody

## Description

eIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIF4G3. EIF4E is also known to interact with other partners. The interaction with EIF4ENIF1 mediates the import into the nucleus. Nonphosphorylated EIF4EBP1, EIF4EBP2 and EIF4EBP3 compete with EIF4G1/EIF4G3 to interact with EIF4E; insulin stimulated MAP-kinase (MAPK1 and MAPK3) phosphorylation of EIF4EBP1 causes dissociation of the complex allowing EIF4G1/EIF4G3 to bind and consequent initiation of translation. Rapamycin can attenuate insulin stimulation, mediated by FKBP. this gene also interacts mutually exclusive with EIF4A1 and EIF4A2.

## Application Notes

Titration of the EIF4E antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 32-61 from the human protein was used as the immunogen for this EIF4E antibody.

## Storage

Aliquot the EIF4E antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.