

Datasheet for ABIN3030893
anti-EIF4E antibody (AA 32-61)



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3 Images

Overview

Quantity:	0.4 mL
Target:	EIF4E
Binding Specificity:	AA 32-61
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 32-61 from the human protein was used as the immunogen for this EIF4E antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine, Zebrafish, Rabbit, Xenopus
Purification:	Purified

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
Background:	EIF4F is a multi-subunit complex, the composition of which varies with external and internal

Target Details

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.

UniProt: [P06730](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: Titration of the EIF4E antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

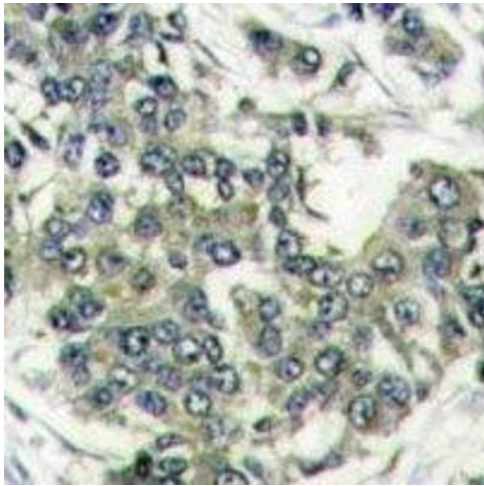
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

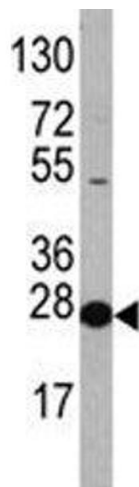
Storage: -20 °C

Storage Comment: Aliquot the EIF4E antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



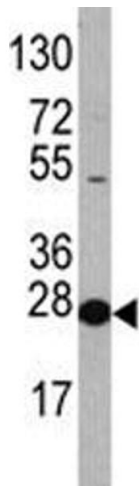
Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma stained with EIF4E antibody



Western Blotting

Image 2. Western blot analysis of EIF4E antibody and HL-60 lysate. Predicted molecular weight ~27 kDa.



Western Blotting

Image 3. Western blot analysis of EIF4E antibody and HL-60 lysate. Predicted molecular weight ~27 kDa.