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Datasheet for ABIN7152162

## anti-EIF3I antibody (AA 1-323)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	EIF3I
Binding Specificity:	AA 1-323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3I antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

#### Product Details

Immunogen:	Recombinant Human Eukaryotic translation initiation factor 3 subunit I protein (1-323AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

#### Target Details

Target:	EIF3I
Alternative Name:	EIF3I ( <a href="#">EIF3I Products</a> )
Background:	Background: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632,

## Target Details

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PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA<sub>i</sub> and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).

Aliases: eIF-3-beta antibody, eIF3 beta antibody, eIF3 p36 antibody, eIF3-beta antibody, eIF3-p36 antibody, eIF3i antibody, EIF3L\_HUMAN antibody, EIF3S2 antibody, EIF3S2, formerly antibody, Eukaryotic translation initiation factor 3 subunit 2 antibody, Eukaryotic translation initiation factor 3 subunit 2 beta antibody, Eukaryotic translation initiation factor 3 subunit I antibody, eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD antibody, eukaryotic translation initiation factor 3, subunit 2 beta, 36 kDa antibody, eukaryotic translation initiation factor 3, subunit 2, formerly antibody, eukaryotic translation initiation factor 3, subunit I antibody, Predicted protein of HQ2242 antibody, PRO2242 antibody, TGF beta receptor interacting protein 1 antibody, TGF-beta receptor-interacting protein 1 antibody, TGFbeta receptor interacting protein 1 antibody, TGFbeta receptor-interacting protein 1 antibody, TRIP 1 antibody, TRIP-1 antibody, TRIP1 antibody

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UniProt: [Q13347](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Ribonucleoprotein Complex Subunit Organization](#), [Synthesis of DNA](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:2000-1:10000, IF:1:200-1:500,

Restrictions: For Research Use only

## Handling

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Format: Liquid

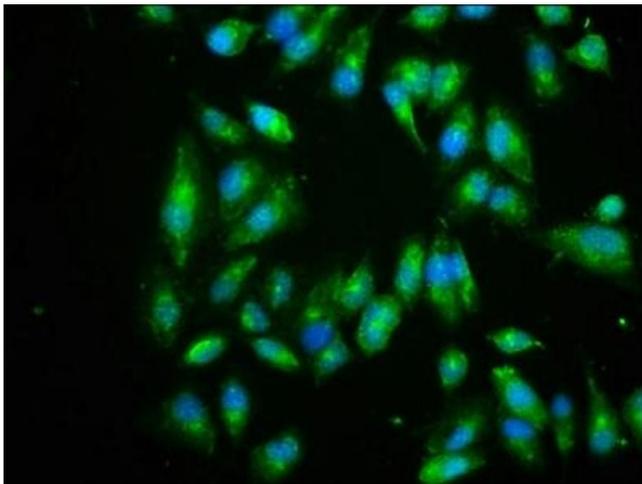
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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## Handling

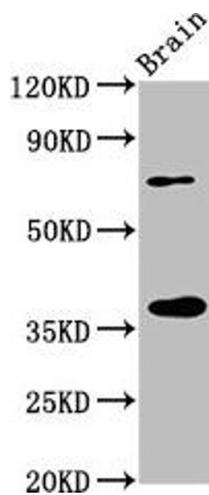
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescence staining of HeLa cells with ABIN7152162 at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Rat brain tissue All lanes: EIF3I antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 37 kDa Observed band size: 37 kDa