

## Product datasheet

# Anti-EIF3C antibody ab237757

[2 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-EIF3C antibody
<b>Description</b>	Rabbit polyclonal to EIF3C
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human EIF3C aa 201-500. Database link: <a href="#">Q99613</a>
<b>Positive control</b>	WB: MCF7, HeLa and A-375 whole cell lysates. IHC-P: Human small intestine tissue. ICC/IF: HepG2 cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity greater than 95%.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab237757 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/5000. Predicted molecular weight: 105 kDa.
IHC-P		1/20 - 1/200.
ICC/IF		1/50 - 1/200.

## Target

### Function

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. 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 preinitiation 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

### Sequence similarities

Belongs to the eIF-3 subunit C family.  
Contains 1 PCI domain.

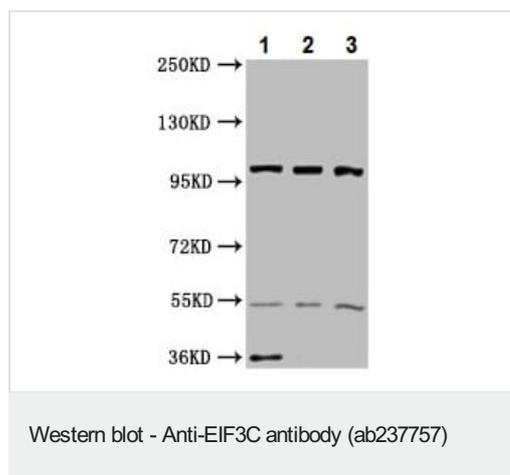
### Post-translational modifications

Phosphorylated. Phosphorylation is enhanced upon serum stimulation.

### Cellular localization

Cytoplasm.

## Images



**All lanes** : Anti-EIF3C antibody (ab237757) at 1/2000 dilution

**Lane 1** : MCF7 (human breast adenocarcinoma cell line) whole cell lysate

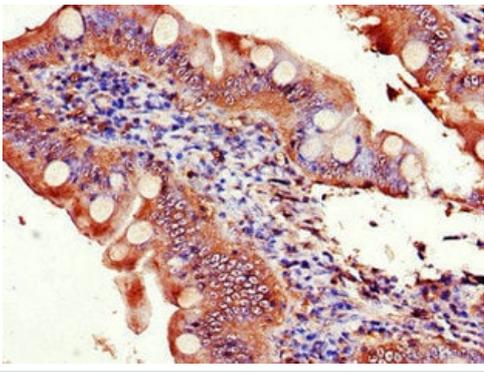
**Lane 2** : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 3** : A-375 (human malignant melanoma cell line) whole cell lysate

### Secondary

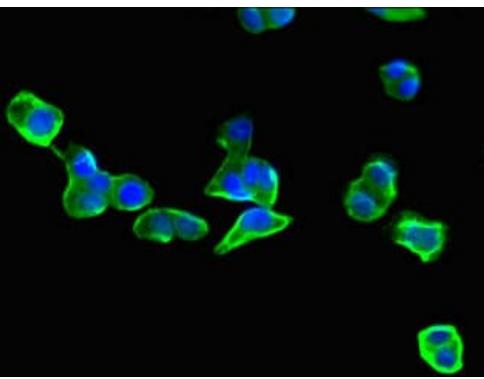
**All lanes** : Goat polyclonal to rabbit IgG at 1/50000 dilution

**Predicted band size:** 105 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EIF3C antibody (ab237757)

Paraffin-embedded human small intestine tissue stained for EIF3C using ab237757 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-EIF3C antibody (ab237757)

HepG2 (Human liver hepatocellular carcinoma cell line) cells stained for EIF3C using ab237757 at a dilution of 1/100 in ICC/IF, followed by an Alexa-Fluor<sup>®</sup>488 conjugated Goat Anti-Rabbit IgG (H+L).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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