

## Product datasheet

# Anti-EEF2/Elongation factor 2 antibody [4B3-G7-H5] ab131202

★★★★★ [1 Abreviews](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-EEF2/Elongation factor 2 antibody [4B3-G7-H5]
<b>Description</b>	Mouse monoclonal [4B3-G7-H5] to EEF2/Elongation factor 2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human, African green monkey
<b>Immunogen</b>	Recombinant fragment corresponding to Human EEF2/Elongation factor 2. Database link: <a href="#">P13639</a>
<b>Positive control</b>	HL-60 cell lysate
<b>General notes</b>	<p>This product was changed from ascites to tissue culture supernatant on 17.08.2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.03% Proclin 300 Constituent: 50% Glycerol
<b>Purity</b>	Concentrated Culture Supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	4B3-G7-H5

Isotype

IgG2b

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab131202 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
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/5000. Detects a band of approximately 95 kDa (predicted molecular weight: 95 kDa).

## Target

### Function

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome.

### Sequence similarities

Belongs to the GTP-binding elongation factor family. EF-G/EF-2 subfamily.

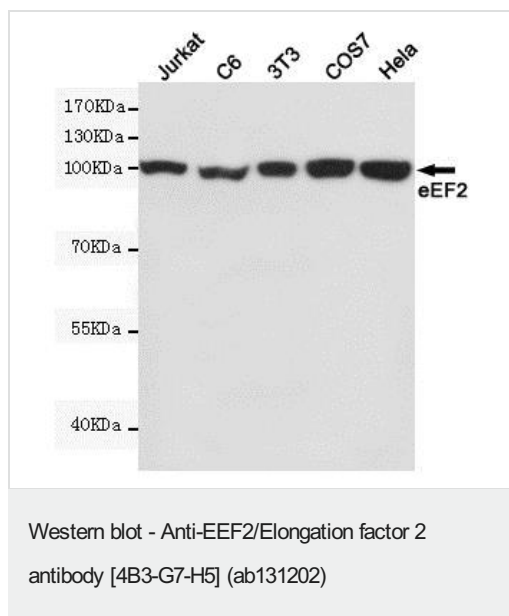
### Post-translational modifications

Phosphorylation by EF-2 kinase completely inactivates EF-2.  
Diphthamide is 2-[3-carboxyamido-3-(trimethyl-ammonio)propyl]histidine. Diphthamide can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A, thus arresting protein synthesis.  
ISGylated.

### Cellular localization

Cytoplasm.

## Images



**All lanes :** Anti-EEF2/Elongation factor 2 antibody [4B3-G7-H5] (ab131202) at 1/5000 dilution

**Lane 1 :** Jurkat Cell lysates

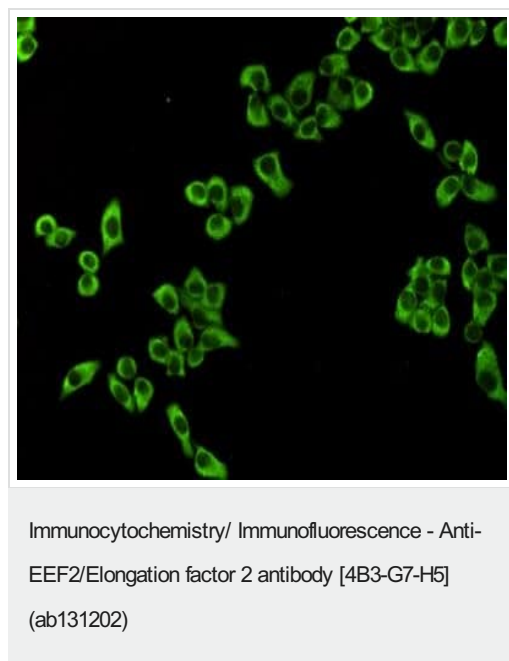
**Lane 2 :** C6 Cell lysates

**Lane 3 :** 3T3 Cell lysates

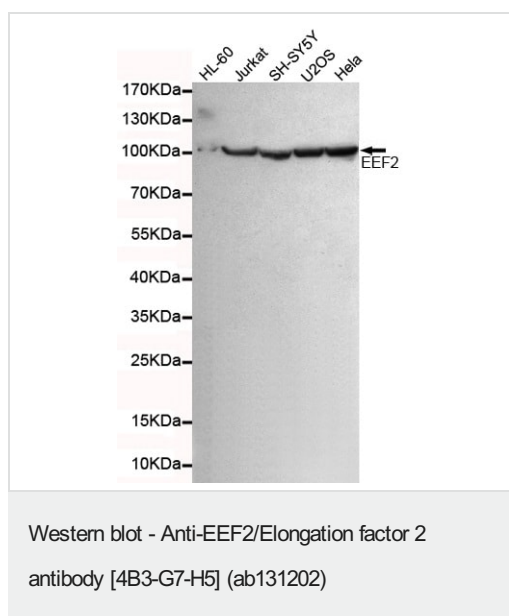
**Lane 4 :** COS-7 (African green monkey kidney fibroblast-like cell line) Cell lysates

**Lane 5 :** HeLa Cell lysates

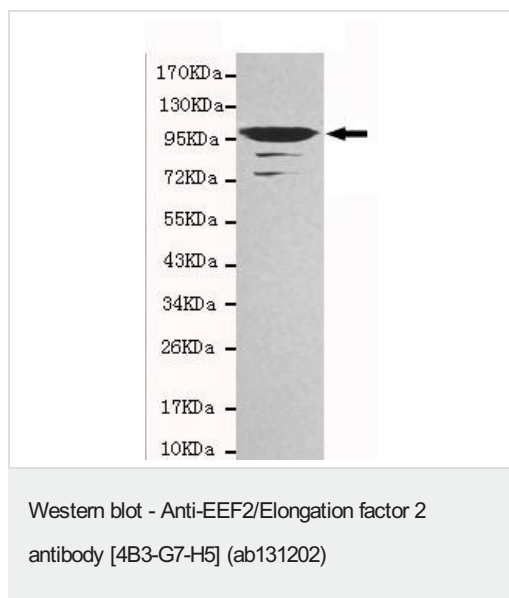
**Predicted band size:** 95 kDa



Immunocytochemical staining of HeLa cells using anti-eEF2/Elongation factor 2 antibody (ab131202) at a dilution of 1:200. Cells were fixed with ice cold methanol. This image was produced with antibody produced in ascites.



Western blot detection of EEF2/Elongation factor 2 in HL-60, Jurkat, SH-SY5Y, U2OS and HeLa cell lysates using EEF2/Elongation factor 2 mouse mAb (1:5000). Predicted band size: 95 kDa. Observed band size: 95 kDa. Exposure time: 15s. This image was produced with antibody produced in ascites.



Anti-EEF2/Elongation factor 2 antibody [4B3-G7-H5] (ab131202) at 1/1000 dilution + HL-60 cell lysate

**Predicted band size:** 95 kDa

**Observed band size:** 95 kDa

This image was produced with antibody produced in ascites.

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

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