


Product datasheet

Anti-EEF2 antibody ab33208

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概述

产品名称	Anti-EEF2抗体
描述	兔多克隆抗体to EEF2
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Chicken, Hamster, Cow, Xenopus laevis, Zebrafish 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 550 - 650 of Human EEF2. 参阅Abcam的专有抗源政策(Peptide available as <a href="#">ab33521</a> .)
阳性对照	This antibody gave a positive signal in the following Whole Cell Lysates: HeLa; Jurkat; A431; HEK 293; HepG2; MCF-7; SHSY-5Y; U2OS.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab33208** in the following tested applications.

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

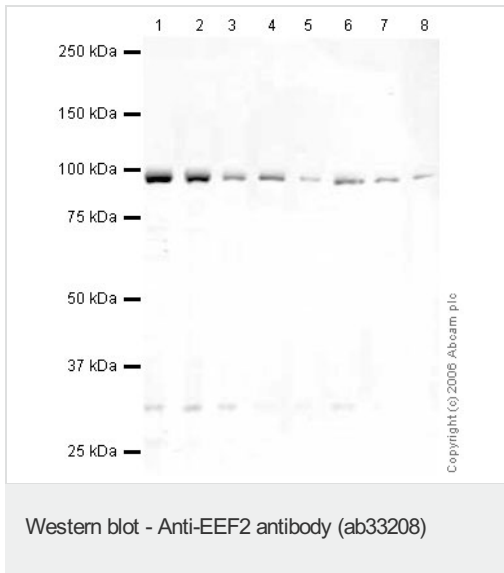
应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 95 kDa (predicted molecular weight: 95 kDa).

## 靶标

功能	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.
序列相似性	Belongs to the GTP-binding elongation factor family. EF-G/EF-2 subfamily.
翻译后修饰	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.
细胞定位	Cytoplasm.

## 图片



**All lanes :** Anti-EEF2 antibody (ab33208) at 1 µg/ml

**Lane 1 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2 :** Jurkat whole cell lysate (ab7899)

**Lane 3 :** A431 whole cell lysate (ab7909)

**Lane 4 :** HEK293 whole cell lysate (ab7902)

**Lane 5 :** HepG2 whole cell lysate (ab7900)

**Lane 6 :** MCF-7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

**Lane 7 :** SHSY-5Y (Human Neuroblastoma) Whole Cell Lysate

**Lane 8 :** U2OS (Human osteosarcoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

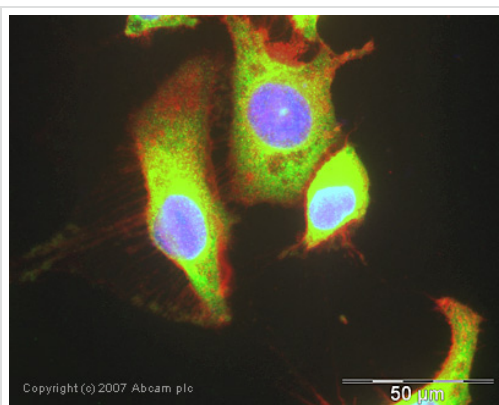
### Secondary

**All lanes :** IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

Performed under reducing conditions.

**Predicted band size:** 95 kDa

**Observed band size:** 95 kDa



Immunocytochemistry/ Immunofluorescence - Anti-EEF2 antibody (ab33208)

ICC/IF image of ab33208 stained human HeLa cells.

The cells were PFA fixed (10 min), permeabilised in TBS-T (20 min) and incubated with the antibody (ab33208, 5µg/ml) for 1h at room temperature. 1%BSA / 10% normal serum / 0.3M glycine was used to quench autofluorescence and block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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