

## Product datasheet

# Anti-eIF4EBP1 antibody ab47428

1 Abreviews 2 图像

### 概述

产品名称	Anti-eIF4EBP1抗体
描述	兔多克隆抗体to eIF4EBP1
宿主	Rabbit
特异性	ab47428 recognises endogenous levels of total eIF4EBP1 protein. This antibody may cross-react with 4E-BP2 and 4E-BP3.
经测试应用	适用于: ELISA, IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic non phosphopeptide derived from human eIF4EBP1 around the phosphorylation site of threonine 36 (S-T-T <sub>p</sub> -P-G).
阳性对照	Human breast carcinoma tissue; Extracts from EGF treated MDA-MB-435 cells.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	This antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab47428** in the following tested applications.

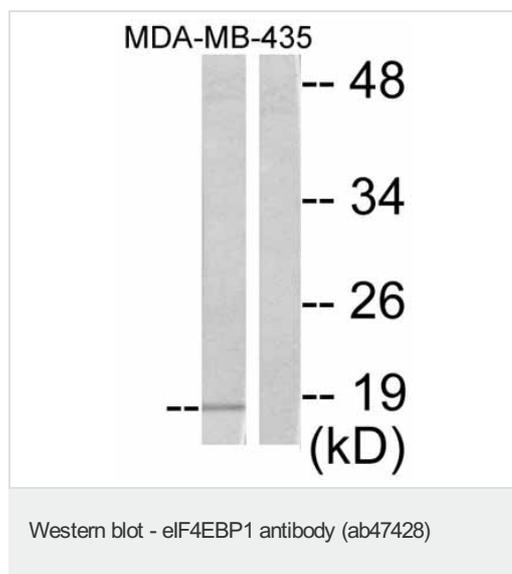
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/10000.
IHC-P		Use at an assay dependent concentration.
WB		1/500 - 1/1000. Detects a band of approximately 20 kDa (predicted molecular weight: 12 kDa).

## 靶标

<b>功能</b>	Regulates eIF4E activity by preventing its assembly into the eIF4F complex. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.
<b>序列相似性</b>	Belongs to the eIF4E-binding protein family.
<b>翻译后修饰</b>	Phosphorylated on serine and threonine residues in response to insulin, EGF and PDGF. Phosphorylation at Thr-37, Thr-46, Ser-65 and Thr-70 is regulated by mTORC1. Phosphorylated upon DNA damage, probably by ATM or ATR.

## 图片

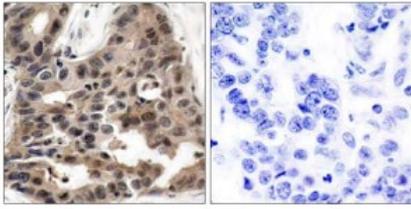


**All lanes :** Anti-eIF4EBP1 antibody (ab47428) at 1/500 dilution

**Lane 1 :** EGF treated MDA-MB-435 cell extracts

**Lane 2 :** EGF treated MDA-MB-435 cells extracts incubated with immunizing peptide.

**Predicted band size:** 12 kDa



Peptide

-

+

Immunohistochemical analysis of eIF4EBP1 expression in paraffin embedded human breast carcinoma tissue using 1/50 ab47428. Left: untreated sample. Right: sample treated with immunising peptide (negative control).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF4EBP1 antibody (ab47428)

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

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