

Product datasheet

Anti-eIF4EBP1 (phospho T70) antibody [EPR654(2)A] ab75831

Recombinant RabMAb

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Overview

Product name	Anti-eIF4EBP1 (phospho T70) antibody [EPR654(2)A]
Description	Rabbit monoclonal [EPR654(2)A] to eIF4EBP1 (phospho T70)
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	293T cell lysates treated with FBS.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR654(2)A

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab75831 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		1/500 - 1/1000. Detects a band of approximately 17 kDa (predicted molecular weight: 13 kDa).

Application notes Is unsuitable for Flow Cyt, IHC-P or IP.

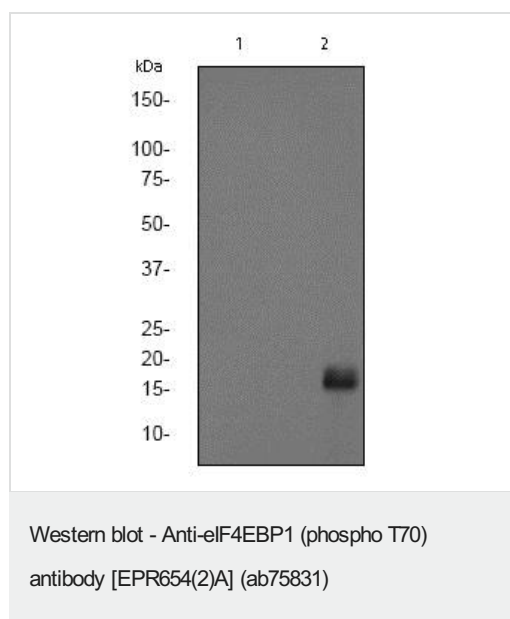
Target

Function 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.

Sequence similarities Belongs to the eIF4E-binding protein family.

Post-translational modifications 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.

Images



All lanes : Anti-eIF4EBP1 (phospho T70) antibody [EPR654(2)A] (ab75831) at 1/500 dilution

Lane 1 : 293T cell lysates un-treated

Lane 2 : 293T cell lysates treated with FBS

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 13 kDa

Observed band size: 17 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-eIF4EBP1 (phospho T70) antibody
[EPR654(2)A] (ab75831)

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

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