

Datasheet for ABIN3023532
anti-eIF4EBP1 antibody (pSer65)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	pSer65
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S65 of human Phospho-eIF4EBP1-S65 (NP_004086.1).
Sequence:	RNSPV
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
---------	---------------------

Target Details

Alternative Name:	EIF4EBP1 (EIF4EBP1 Products)
Background:	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.,4E-BP1,4EBP1,BP-1,PHAS-I,EIF4EBP1,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Signal Transduction,PI3K-Akt Signaling Pathway,mTOR Signaling Pathway,Endocrine & Metabolism,AMPK Signaling Pathway,Insulin Receptor Signaling Pathway,Endocrine and metabolic diseases,Diabetes,Metabolic disorders,Obesity,Cardiovascular,Angiogenesis,Akt downstream targets,Protein phosphorylation,EIF4EBP1
Molecular Weight:	12 kDa
Gene ID:	1978
UniProt:	Q13541
Pathways:	MAPK Signaling , PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Cell Size , BCR Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:100
Restrictions:	For Research Use only

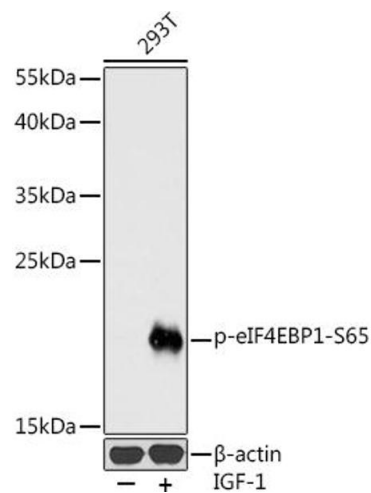
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

Handling

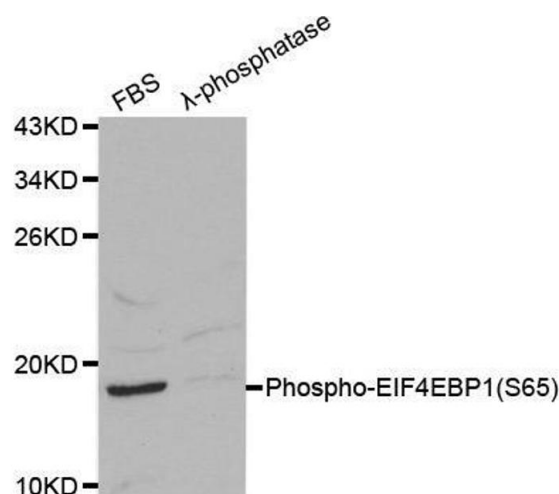
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of 293T cells, using Phospho-eIF4EBP1-S65 antibody (ABIN3023531, ABIN3023532, ABIN3023533 and ABIN6225390) at 1:1000 dilution. 293T cells were treated by IGF-1 (50 ng/mL) at 37 °C for 5 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Western Blotting

Image 2. Western blot analysis on 293 cell lysates using Phospho-EIF4EBP1-S65 antibody.