

Datasheet for ABIN358355

anti-eIF4EBP1 antibody (pThr36)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	pThr36
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T36 of human EIF4EBP1.
Isotype:	Ig Fraction
Specificity:	This antibody detects 4E-BP1/EIF4EBP1 pThr36. Predicted to cross react with Mouse (100 % Antigen Homology).
Purification:	Protein A Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with peptides. The antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
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Target Details

Alternative Name:	EIF4EBP1 / 4E-BP1 (EIF4EBP1 Products)
Background:	EIF4EBP1 is a member of a family of translation repressor proteins. This 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. It is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.Synonyms: Eukaryotic translation initiation factor 4E-binding protein 1, PHAS-1, PHAS-I, PHAS1, Phosphorylated heat- and acid-stable protein regulated by insulin 1, eIF4E-binding protein 1
Molecular Weight:	12449 Da
Gene ID:	1978, 9606
UniProt:	Q13541
Pathways:	MAPK Signaling , PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Cell Size , BCR Signaling

Application Details

Application Notes:	ELISA: 1/1,000. Dot Blot: 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

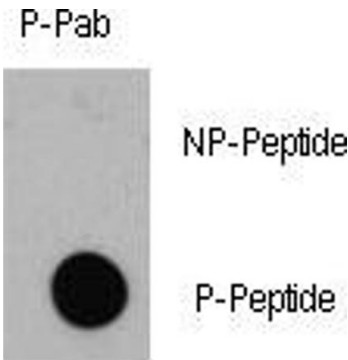
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative.
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 repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images



Dot Blot