

Datasheet for ABIN878087

anti-eIF4EBP1 antibody (pThr36) (Cy5)



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Overview

Quantity:	100 µL
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	pThr36
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human eIF4EBP1 around the phosphorylation site of Thr36
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
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Target Details

Alternative Name: e4EBP1 ([EIF4EBP1 Products](#))

Background: Synonyms: e4EBP1 phospho T36, e4EBP1 phospho Thr36, p-e4EBP1 Thr36, e4EBP1, Eukaryotic translation initiation factor 4E binding protein 1, Eukaryotic translation initiation factor 4E-binding protein 1, 4E BP1, 4EBP1, BP 1, BP1, e4E binding protein 1, e4E-binding protein 1, Eukaryotic translation initiation factor 4E binding protein 1, MGC4316, PHAS I, PHASI, PHAS-I, PHAS, 4E-BP1, Phosphorylated heat- and acid-stable protein regulated by insulin 1, Phosphorylated heat and acid stable protein regulated by insulin 1, 4EBP1_HUMAN.

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. [provided by RefSeq, Jul 2008].

Gene ID: 1978

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [RTK Signaling](#), [AMPK Signaling](#), [Regulation of Cell Size](#), [BCR Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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