Datasheet for ABIN6942016

anti-eIF4EBP1 antibody

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Overview

Quantity:	100 µL
Target:	eIF4EBP1 (EIF4EBP1)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide derived from human 4E-BP1, around N-terminal.
Clone:	3G1
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	4E-BP1 (EIF4EBP1 Products)
Background:	Synonyms: e4EBP1, Eukaryotic translation initiation factor 4E binding protein 1, Eukaryotic

Target Details

	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
UniProt:	Q13541
Pathways:	MAPK Signaling, PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, Regulation of Cell Size, BCR Signaling

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF()
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

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Handling

Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

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