Datasheet for ABIN742052

anti-eIF4EBP1 antibody (Biotin)

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Overview

Quantity:	100 µL
Target:	eIF4EBP1 (EIF4EBP1)
Reactivity:	Human, Mouse, Rat, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 4E-BP1
Isotype:	IgG
Specificity:	60-70 % sequence similarity to 4EBP2
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	eIF4EBP1/4EBP1 (EIF4EBP1 Products)
Background:	Synonyms: 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

Target Details

	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].
Molecular Weight:	12kDa
Gene ID:	1978
Pathways:	MAPK Signaling, PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, Regulation of Cell Size, BCR Signaling

Application Details

Application Notes:	WB(1:100-500) Optimal working dilution should be determined by the investigator.
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:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months