Datasheet for ABIN5696860

anti-eIF4EBP1 antibody

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Overview

Quantity:	100 µg
Target:	eIF4EBP1 (EIF4EBP1)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	eukaryotic translation initiation factor 4E binding protein 1
Isotype:	IgG2b

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	4EBP1 (EIF4EBP1 Products)
Background:	Synonyms:4E BP1, 4EBP1, BP 1, eIF4E binding protein 1, EIF4EBP1, PHAS I Background:Eukaryotic translation initiation factor 4E-binding protein 1(4EBP1), is a member of 4EBPs family, which regulate the translation of a subset of mRNA by competing with eIF4G for binding to eIF4E, thus preventing the assembly of the eIF4F complex. The eIF4F facilitates the recruitment of other translation initiation factors to form the complex and then initiates cap-dependent translation.4EBP1 also mediates the regulation of protein translation by growth

Target Details

	factors, hormones and other stimuli that signal through the MAP kinase and mTORC1 pathways. There are three forms of 4EBP1, alpha, beta and gamma.
Molecular Weight:	12kDa
UniProt:	Q13541
Pathways:	MAPK Signaling, PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, Regulation of Cell Size, BCR Signaling

Application Details

Application Notes:	WB : 1:1000-1:10000,IHC : 1:20-1:200,IF : 1:20-1:200
Comment:	K-562 cells were subjected to SDS PAGE followed by western blot with FNab00006(4EBP1 antibody) at dilution of 1:2000
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide and 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 repeated freeze / thaw cycles.
Storage:	-20 °C
Expiry Date:	12 months