

anti- 4EBP1 antibody

Product Information

Catalog No.:	FNab00006
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	6C4
IsoType:	IgG2b
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20°C for 24 months (Avoid repeated freeze / thaw cycles.)

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 factors, hormones and other stimuli that signal through the MAP kinase and mTORC1 pathways. There are three forms of 4EBP1, alpha, beta and gamma.

Immunogen information

Immunogen:	eukaryotic translation initiation factor 4E binding protein 1
Synonyms:	4E BP1, 4EBP1, BP 1, eIF4E binding protein 1, EIF4EBP1, PHAS I
Observed MW:	12 kDa
Uniprot ID :	Q13541

Application

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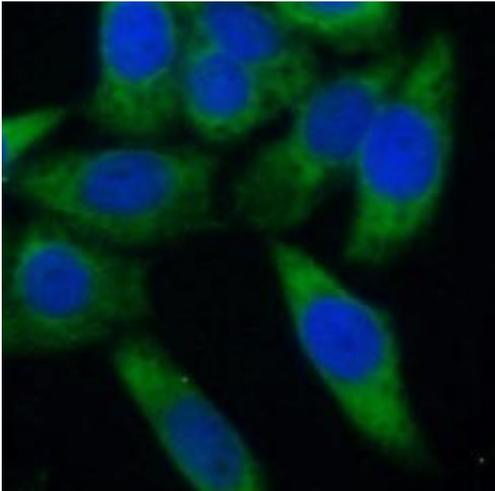
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Reactivity: Human; other species are not tested. Please decide the specificity by homology

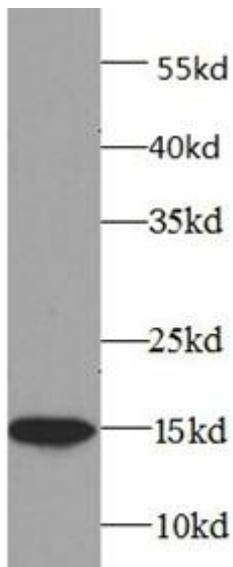
Tested Application: ELISA, WB, IF

Recommended dilution: WB: 1:500-1:2000; IF: 1:20-1:200

Image:



Immunofluorescent analysis of HeLa cells using FNab00006 (4EBP1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L)



K-562 cells were subjected to SDS PAGE followed by western blot with FNab00006(4EBP1 antibody) at dilution of 1:2000

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