

EIF4EBP1 Monoclonal Antibody

Catalog No. E-AB-27001

Note: Centrifuge before opening to ensure complete recovery of vial contents.

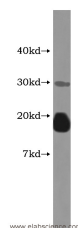
Description

Reactivity	Human,Mouse,Rat
Immunogen	Fusion protein of 4EBP1
Host	Mouse
Isotype	IgG2b
Clone	Clone:133
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, PH7.3

Applications Recommended Dilution

WB 1:1000-1:10000,
IHC 1:50-1:500, IF
1:20-1:200

Data



Western Blot analysis of K-562 cells using EIF4EBP1
Monoclonal Antibody at dilution of 1:2000
Observed Mw:15-24kDa
Calculated Mw:118aa, 12kDa

Preparation & Storage

Storage Store at -20°C. Avoid 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.

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