Product Name: 4E BP1 Rabbit Polyclonal Antibody
Catalog #: APRab03630

Summary

Production Name	4E BP1 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	EIF4EBP1
Alternative Names	EIF4EBP1; Eukaryotic translation initiation factor 4E-binding protein 1; 4E-BP1; eIF4E-binding protein 1; Phosphorylated heat- and acid-stable protein regulated by insulin 1; PHAS-I
Gene ID	1978
SwissProt ID	Q13541

Application

Dilution Ratio	WB: 1/500-1/1000 IP: 1/20
Molecular Weight	Calculated MW: 13 kDa; Observed MW: 15-20 kDa

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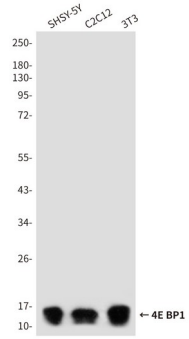
Background

Translation repressor protein 4E-BP1 (also known as PHAS-1) inhibits cap-dependent translation by binding to the translation initiation factor eIF4E. Hyperphosphorylation of 4E-BP1 disrupts this interaction and results in activation of cap-dependent translation. Both the PI3 kinase/Akt pathway and FRAP/mTOR kinase regulate 4E-BP1 activity.

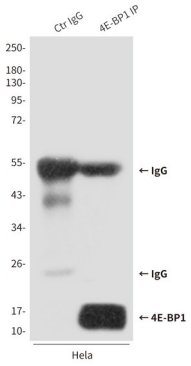
Research Area

Epigenetics and Nuclear Signaling

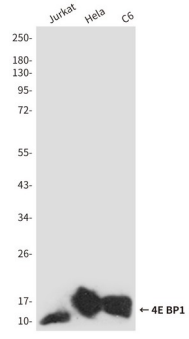
Image Data



Western blot analysis of 4EBP1 in SH-SY5Y, C2C12 and 3T3 lysates using 4EBP1 antibody.



Immunoprecipitation analysis of 4E BP1 in Hela lysates using 4EBP1 antibody.



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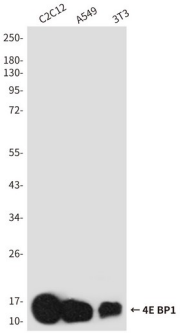
Western blot analysis of 4E BP1 in Jurkat, Hela and C6 lysates using 4EBP1 antibody.



Western blot analysis of 4E BP1 in C2C12, A549 and 3T3 lysates using 4E BP1 antibody

Note

For research use only.