

Anti-4E-BP1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

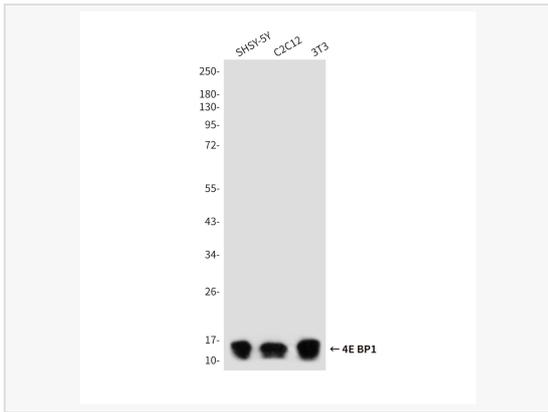
Catalog # P013539

Product Information

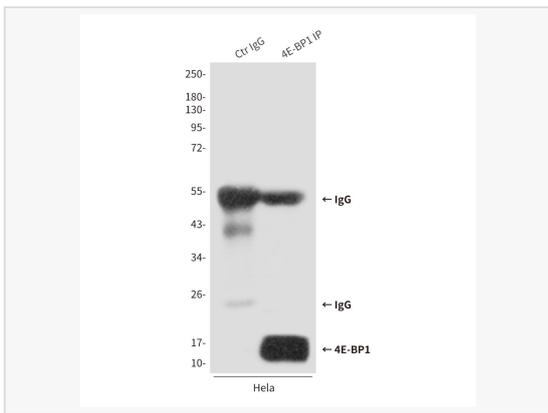
Application	WB, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Synthetic peptide.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-4E-BP1 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

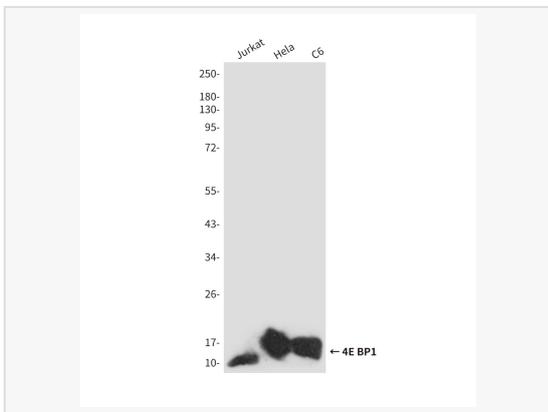
Synonyms	EIF4EBP1, Eukaryotic translation initiation factor 4E-binding protein 1, 4E-BP1, eIF4E-binding protein 1, Phosphorylated heat- and acid-stable protein regulated by insulin 1, PHAS-I.
Calculated MW	Calculated MW: 13 kDa; Observed MW: 15-20 kDa
Uniprot ID	Q13541
Gene ID	1978
Background	Translation 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.



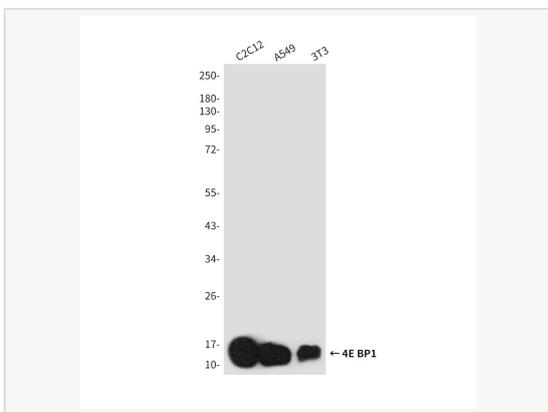
Western blot analysis of 4EBP1 in SH-SY5Y, C2C12 and 3T3 lysates using 4EBP1 antibody.



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



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.