Product Name: 4E BP1 Rabbit Polyclonal Antibody
Catalog #: APRab01368
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,FC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,FC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 13 kDa; Observed MW: 15-20 kDa

Antigen Information

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
Immunogen	A synthetic peptide corresponding to target protein

Background

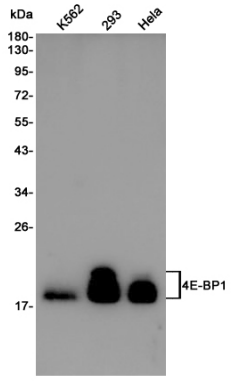
Translation repressor protein 4E-BP1 (also known as PHAS-1) inhibits cap-dependent translation by binding to the translation

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.

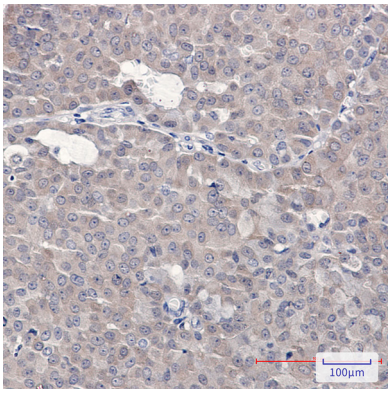
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of 4EBP1 in K562, 293, Hela lysates using 4E BP1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using eIF4EBP1 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.