

# Product Datasheet

## 4EBP1 Antibody NBP2-16307

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP2-16307**

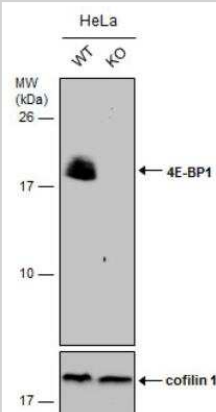
4EBP1 Antibody

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	13 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1978
<b>Gene Symbol</b>	EIF4EBP1
<b>Species</b>	Human, Rat
<b>Immunogen</b>	Full length human 4EBP1 Recombinant protein.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 10 - 1:500, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated

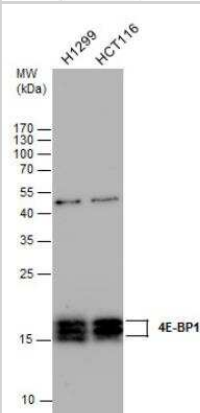


## Images

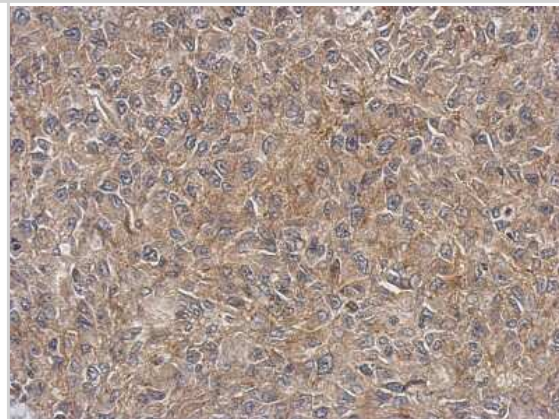
Knockout Validated: 4EBP1 Antibody [NBP2-16307] - Wild-type (WT) and 4E-BP1 knockout (KO) HeLa cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with 4E-BP1 antibody [N1C3]. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



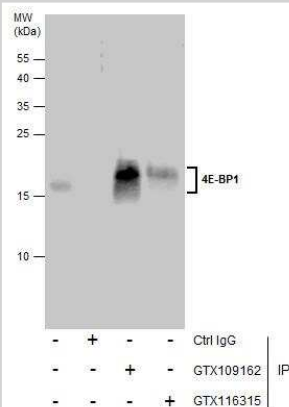
Western Blot: 4EBP1 Antibody [NBP2-16307] - 4EBP1 antibody detects 4EBP1 protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with 4EBP1 antibody diluted at a dilution of 1:2000.



Immunohistochemistry-Paraffin: 4EBP1 Antibody [NBP2-16307] - Analysis of paraffin-embedded RT2 xenograft, using antibody at 1:500 dilution.



Immunoprecipitation: 4EBP1 Antibody [NBP2-16307] - Immunoprecipitation of 4EBP1 protein from HCT116 whole cell extracts using 5 ug of 4EBP1 antibody or 4E-BP1 antibody. Western blot analysis was performed using 4EBP1 antibody.



## Publications

Chen S, Lu XT, He TT et al. Betaine Delayed Muscle Loss by Attenuating Samtor Complex Inhibition for mTORC1 Signaling Via Increasing SAM Level Molecular nutrition & food research 2021-06-01 [PMID: 34061446]



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### **Products Related to NBP2-16307**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-30218	Recombinant Human 4EBP1 His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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