

# Product Datasheet

## 4EBP1 Antibody - BSA Free

### NBP2-16307

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-16307](http://www.novusbio.com/NBP2-16307)

Updated 9/25/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-16307](http://www.novusbio.com/reviews/destination/NBP2-16307)



**NBP2-16307**

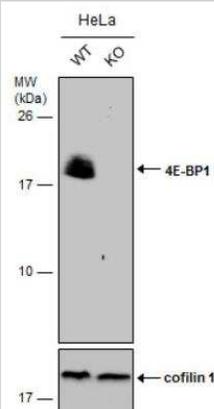
4EBP1 Antibody - BSA Free

<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, 20% Glycerol
<b>Target Molecular Weight</b>	13 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit 4EBP1 Antibody - BSA Free (NBP2-16307) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-4EBP1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<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-Paraffin, Immunohistochemistry, 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

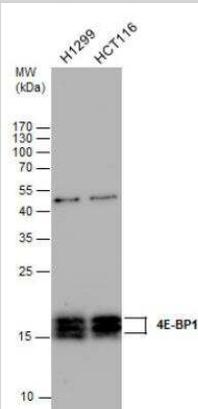


## Images

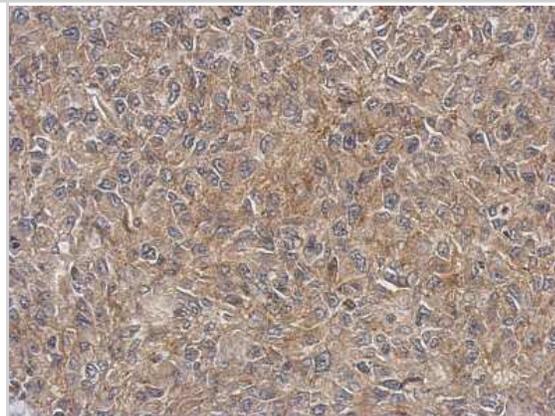
Western Blot: 4EBP1 Antibody [NBP2-16307] - Wild-type (WT) and 4E-BP1 knockout (KO) HeLa cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with 4E-BP1 antibody [N1C3]. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



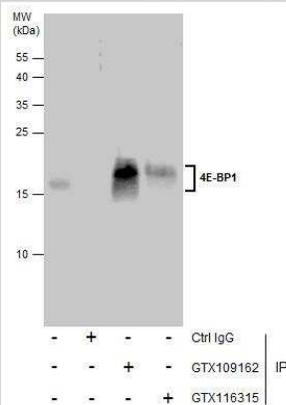
Western Blot: 4EBP1 Antibody [NBP2-16307] - 4EBP1 antibody detects 4EBP1 protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with 4EBP1 antibody diluted at a dilution of 1:2000.



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]



### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NBP2-16307

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-16307](http://www.novusbio.com/reviews/submit/NBP2-16307)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

