

## Simple Western Antibody Datasheet

# Phospho-4E-BP1 (Thr37/46)

Vendor: Cell Signaling Technology

Catalog #: 9459

[View Antibody Link](#)

### Antibody

Name:	Phospho-4E-BP1 (Thr37/46) Antibody
Target Antigen:	4E-BP1, phospho (Thr37 / Thr46)
Reactant:	Rattus norvegicus (Rat), Homo sapiens (Human), Mus musculus (House mouse)
Type:	Primary
Clonality:	Polyclonal
Host:	Rabbit
Alternate Identifier:	AB_330985

### Assay

Antibody Dilution:	1:10, 1:50, 1:200
Separation Type:	Size
Observed kDa:	
Sample:	Muscle, Placenta, Mammary glands, Lungs, HDQ-P1, Fibroblast

## Publications (14)

### Citation

NPJ Syst Biol Appl. 2026 Feb 5;12(1):34.  
FASEB J. 2024 Oct 15;38(19):e70100.  
Am J Physiol Endocrinol Metab. 2024 Mar 1;326(3):E226-E244.  
Autophagy. 2024 May;20(5):1159-1182.  
Arch Biochem Biophys. 2023 Oct 1;747:109754.  
Amino Acids. 2023 Aug;55(8):1039-1048.  
PLoS Biol. 2021 May 3;19(5):e3001221.  
Am J Physiol Heart Circ Physiol. 2021 Mar 1;320(3):H980-H990.  
J Dairy Sci. 2021 Feb;104(2):1336-1350.  
Int J Obes (Lond). 2020 Nov;44(11):2203-2212.  
J Nutr Biochem. 2020 Mar;77:108305.  
J Appl Physiol (1985). 2020 Jan 1;128(1):197-211.  
Biomed Pharmacother. 2017 Dec;96:535-544.  
Carcinogenesis. 2017 Sep 1;38(9):920-928.

### PMID

41644541  
39387608  
38197793  
37992314  
37708928  
37326859  
33939688  
33416457  
33246620  
32327723  
31926453  
31804892  
29032337  
28911004

### DOI

10.1038/s41540-026-00658-7  
10.1096/fj.202302143R  
10.1152/ajpendo.00215.2023  
10.1080/15548627.2023.2286116  
10.1016/j.abb.2023.109754  
10.1007/s00726-023-03291-4  
10.1371/journal.pbio.3001221  
10.1152/ajpheart.00520.2020  
10.3168/jds.2020-18780  
10.1038/s41366-020-0574-y  
10.1016/j.jnutbio.2019.108305  
10.1152/japplphysiol.00585.2019  
10.1016/j.biopha.2017.10.004  
10.1093/carcin/bgx066

For additional information on this antibody: [View antibody link.](#)

This antibody is certified for Simple Western™ technology. Visit the links below to learn about Simple Western technology, find validated antibodies, or submit new antibody validation data. For questions or support, please contact: [instrument.support@bio-techne.com](mailto:instrument.support@bio-techne.com)

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