

**Vendor: Cell Signaling Technology**

**Catalog #: 9452**

[View Antibody Link](#)

## Simple Western Certified Antibody Datasheet

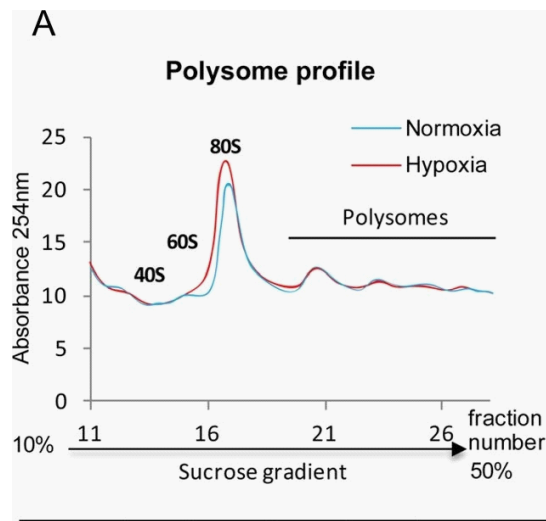


Figure 2A: Capillary electrophoresis immunodetection of 4E-BP1 and eIF2 $\alpha$ .(A-C) 4E-BP1 expression (A) and phosphorylation (B), as well as eIF2 $\alpha$  expression (C), in normoxia and hypoxia (8 hr) were analyzed and quantified by capillary Simple Western, as described in 'Materials and methods'. The quantified values, expressed in arbitrary units of luminescence (AUC), are normalized to total proteins. Analysis of eIF2 $\alpha$  phosphorylation is shown in Figure 2. Three independent experiments were performed; a representative experiment is shown.... See reference below for more information.

Image collected and cropped by CiteAb from: [Elife. 2019 Dec 9;8:e50094.](#)

Under copyright license: CC BY

### Antibody

Name	4E-BP1 Antibody
Isoform	
Reactant	Rattus norvegicus (Rat)
Antibody Type	Primary
Host	Rabbit Polyclonal

### Assay

Sample Type	Muscle
Antibody Dilution	
Detection Mode	Chemiluminescence
Separation Type	Size
Matrix	
Observed kDa	

Publications (8 found) [J Dairy Sci. 2021 Feb;104\(2\):1336-1350.](#) // [J Nutr Biochem. 2020 Mar;77:108305.](#) // [Int J Obes \(Lond\). 2020 Nov;44\(11\):2203-2212.](#) // [Am J Physiol Heart Circ Physiol. 2021 Mar 1;320\(3\):H980-H990.](#) // [Elife. 2019 Dec 9;8:e50094.](#) // [Nutrients. 2023 May 30;15\(11\):2569.](#) // [FASEB J. 2024 Oct 15;38\(19\):e70100.](#) // [Biochem Biophys Res Commun. 2013 Mar 15;432\(3\):466-71.](#)

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

This antibody is certified for Simple Western™ technology. To learn about Simple Western technology, available antibodies, or to submit new antibodies, visit the links below. For additional information, please contact: [support@proteinsimple.com](mailto:support@proteinsimple.com)

[Simple Western Systems](#)

[Simple Western Antibody Database](#)

[Submit Antibody Validation Data](#)

**biotechne** // Global Developer, Manufacturer, and Supplier of High-Quality Reagents, Analytical Instruments, and Precision Diagnostics.

**INCLUDES** R&D Systems™ Novus Biologicals™ Tocris Bioscience™ ProteinSimple™ ACD™ ExosomeDx™ Asuragen® Lunaphore™

For research use or manufacturing purposes only. Trademarks and registered trademarks are the property of their respective owners.