

# Product Datasheet

## Acetyl-coenzyme A transporter 1 Antibody (3A4) - Azide and BSA Free H00009197-M07

Unit Size: 0.1 mg

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: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00009197-M07](http://www.novusbio.com/H00009197-M07)

Updated 9/9/2025 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/H00009197-M07](http://www.novusbio.com/reviews/destination/H00009197-M07)

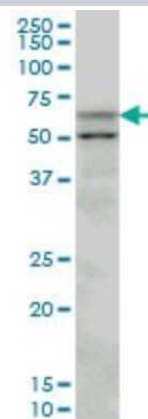


**H00009197-M07****Acetyl-coenzyme A transporter 1 Antibody (3A4) - Azide and BSA Free**

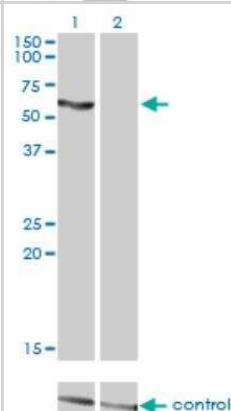
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3A4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Acetyl-coenzyme A transporter 1 Antibody (3A4) - Azide and BSA Free (H00009197-M07) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Acetyl-coenzyme A transporter 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	9197
<b>Gene Symbol</b>	SLC33A1
<b>Species</b>	Human, Mouse, Rat, Hamster
<b>Specificity/Sensitivity</b>	SLC33A1 (3A4)
<b>Immunogen</b>	SLC33A1 (NP_004724, 1 a.a. ~ 69 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSPTISHKDSSRQRRPGNFSHSLDMKSGPLPPGGWDDSHLDSAGREGDREA LLGDTGTGDFLKAPQSFR
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for Western Blot. It has also been used for ELISA and RNAi validation.

## Images

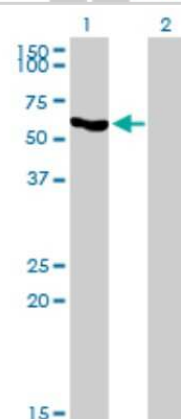
Western Blot: Acetyl-coenzyme A transporter 1 Antibody (3A4) [H00009197-M07] - Analysis of SLC33A1 expression in PC-12 (Cat # L012V1).



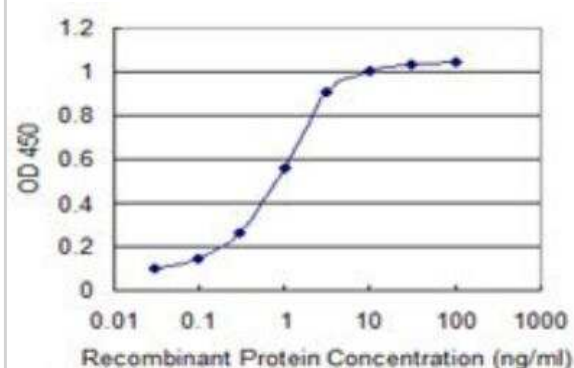
Western Blot: Acetyl-coenzyme A transporter 1 Antibody (3A4) [H00009197-M07] - Western blot analysis of SLC33A1 over-expressed 293 cell line, cotransfected with SLC33A1 Validated Chimera RNAi or non-transfected control. Blot probed with H00009197-M07. GAPDH (36.1 kDa) used as loading control.



Western Blot: Acetyl-coenzyme A transporter 1 Antibody (3A4) [H00009197-M07] - Analysis of SLC33A1 expression in transfected 293T cell line by SLC33A1 monoclonal antibody (M07), clone 3A4. Lane 1: SLC33A1 transfected lysate (60.9 kDa). Lane 2: Non-transfected lysate.



ELISA: Acetyl-coenzyme A transporter 1 Antibody (3A4) [H00009197-M07] - Detection limit for recombinant GST tagged SLC33A1 is 0.03 ng/ml as a capture antibody.



## Publications

Jonas MC, Pehar M, Puglielli L. AT-1 is the ER membrane acetyl-CoA transporter and is essential for cell viability. J Cell Sci. 2010-09-07 [PMID: 20826464]

Pehar M, Jonas MC, Hare TM, Puglielli L. SLC33A1/AT-1 regulates the induction of autophagy down-stream of IRE1/XBP1. J Biol Chem. 2012-07-11 [PMID: 22787145]





### **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 H00009197-M07**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

---

### **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/H00009197-M07](http://www.novusbio.com/reviews/submit/H00009197-M07)

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

