

Product Datasheet

Carbonic Anhydrase III/CA3 Antibody (4A12-1A3) - Azide and BSA Free H00000761-M02

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00000761-M02

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00000761-M02



H00000761-M02

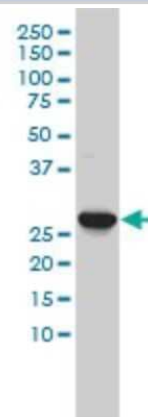
Carbonic Anhydrase III/CA3 Antibody (4A12-1A3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4A12-1A3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	761
Gene Symbol	CA3
Species	Human, Mouse
Specificity/Sensitivity	CA3 - carbonic anhydrase III, muscle specific
Immunogen	CA3 (AAH04897, 1 a.a. ~ 260 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAKEWGYASHNGPDHWHELFPNAKGENQSPIELHTKDIRHDPQLPWSVSYD GGS AKTILNNGKTCRVVFD DTYDRSMLRGGPLPGPYRLRQFHLHWGSSDDHG SEHTVDGVKYAAELHLVHWNPKYNTFKEALKQRDGI AVIGIFLKIGHENG EFQIF LDALDKIKTKGKEAPFTKFDPSCLFPACRDYWTYQGSFTTPPCEE CIVWLLLKE PMTVSSDQMAKLRSL LPSAENEPPVPLVSNWRPPQPINNRVVRASF K
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Functional, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Functional, Sandwich ELISA 1:10-1:500
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

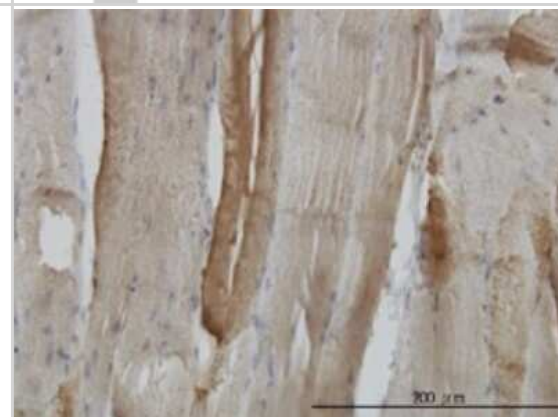


Images

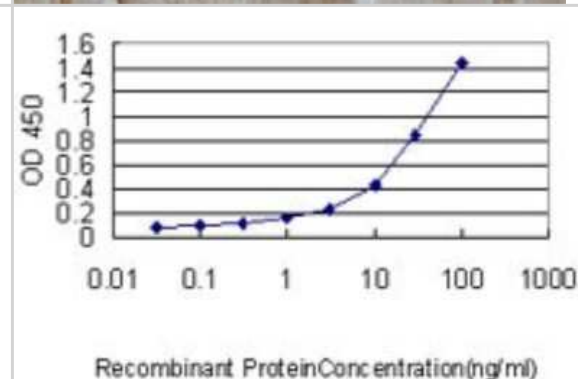
Western Blot: Carbonic Anhydrase III/CA3 Antibody (4A12-1A3) [H00000761-M02] - CA3 monoclonal antibody (M02), clone 4A12-1A3
Analysis of CA3 expression in K-562.



Immunohistochemistry-Paraffin: Carbonic Anhydrase III/CA3 Antibody (4A12-1A3) [H00000761-M02] - Analysis of monoclonal antibody to CA3 on formalin-fixed paraffin-embedded human skeletal muscle. Antibody concentration 3 ug/ml.



Sandwich ELISA: Carbonic Anhydrase III/CA3 Antibody (4A12-1A3) [H00000761-M02] - Detection limit for recombinant GST tagged CA3 is approximately 1ng/ml as a capture antibody.



Publications

McGinley C, Bishop DJ. Rest interval duration does not influence adaptations in acid/base transport proteins following 10 weeks of sprint-interval training in active women. *Am J Physiol Regul Integr Comp Physiol* 2017-02-01 [PMID: 28148492]

McGinley C, Bishop DJ. Influence of training intensity on adaptations in acid/base transport proteins, muscle buffer capacity, and repeated-sprint ability in active men. *J Appl Physiol* 2016-12-01 [PMID: 27742804]

Min HJ, Hong SC, Yang HS et al. Expression of CAIII and Hsp70 Is Increased the Mucous Membrane of the Posterior Commissure in Laryngopharyngeal Reflux Disease. *Yonsei Med J* 2016-01-28 [PMID: 26847302]

Lindskog C, Linne J, Fagerberg L et al. The human cardiac and skeletal muscle proteomes defined by transcriptomics and antibody-based profiling. *BMC Genomics*. 2015-06-25 [PMID: 26109061]

Doran P, Wilton SD, Fletcher S et al. Proteomic profiling of antisense-induced exon skipping reveals reversal of pathobiochemical abnormalities in dystrophic mdx diaphragm. *Proteomics*;9(3):671-85. 2009-02-01 [PMID: 19132684]



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 H00000761-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-88227PEP	Carbonic Anhydrase III/CA3 Recombinant Protein Antigen

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00000761-M02

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

