

Carbonic Anhydrase Iii

[View the current Carbonic Anhydrase Iii InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Carbonic_Anhydrase_III.html)

(http://www.bioportfolio.com/indepth/Carbonic_Anhydrase_III.html)



Recent Publications on Carbonic Anhydrase Iii:

- [Carbonic anhydrase activators: Activation of the human cytosolic isozyme III and membrane-associated isoform IV with amino acids and amines.](#)
*An activation study of the human carbonic anhydrase (hCA, EC 4.2.1.1)...*23rd August, 2008
Universita degli Studi di Firenze, Laboratorio di Chimica Bioinorganica,- Bioorg Med Chem Lett. 2008 Aug 1;18(15):4303-7. Epub 2008 Jun 28. ([DOI Direct Link](#))
- [A novel renal carbonic anhydrase type III plays a role in proximal tubule dysfunction.](#)
*Dysfunction of the proximal tubule (PT) is associated with variable...*31st July, 2008
Division of Cell Physiology, Christian de Duve Institute of Cellular- Kidney Int. 2008 Jul;74(1):52-61. Epub 2008 Mar 5. ([DOI Direct Link](#))
- [Influence of acute physical exercise on emerging muscular biomarkers.](#)
*Abstract Background: Although there is comprehensive information on...*19th July, 2008
1Sezione di Chimica Clinica, Dipartimento di Scienze- Clin Chem Lab Med. 2008 Jul 17. ([DOI Direct Link](#))
- [Carbonic Anhydrase III and Four-and-a-Half LIM Protein 1 are preferentially oxidized with muscle unloading.](#)
*The identities of proteins that show disuse-related changes in the content...*27th May, 2008
University of Minnesota.- J Appl Physiol. 2008 Aug 28. ([DOI Direct Link](#))
- [Carbonic anhydrase inhibitors. Inhibition of the cytosolic and tumor-associated carbonic anhydrase isozymes I, II and IX with some 1,3,4-oxadiazole- and 1,2,4-triazole-thiols.](#)
*Novel mercapto-1,3,4-oxadiazole and -1,2,4-triazole derivatives were...*22nd May, 2008
Organic Chemistry Department, Faculty of Pharmacy, Traian Vuia Street 6,- J Enzyme Inhib Med Chem. 2008 Feb;23(1):101-7. ([DOI Direct Link](#))
- [Characterizing the lipid-lowering effects and antioxidant mechanisms of tomato paste.](#)
*Lycopene is known to decrease cardiovascular risks. The objective of this...*10th May, 2008
Department of Biological Science and Technology, China Medical University,- Biosci Biotechnol Biochem. 2008 Mar;72(3):677-85. Epub 2008 Mar 7.
- [Carbonic anhydrase III promotes transformation and invasion capability in hepatoma cells through FAK signaling pathway.](#)
*Carbonic anhydrase III (CAIII) is distinguished from the other members of...*30th April, 2008
Graduate Institute of Life Sciences, National Defense Medical Center,- Mol Carcinog. 2008 Apr 28. ([DOI Direct Link](#))
- [Expression pattern and polymorphism of three microsatellite markers in the porcine CA3 gene.](#)
*Carbonic anhydrase III (CA3) is an abundant muscle protein characteristic...*27th February, 2008

Department of Basic Veterinary Medicine, College of Veterinary Medicine,- Genet Sel Evol. 2008 Mar-Apr;40(2):227-39. Epub 2008 Feb 27. ([DOI Direct Link](#))

- [Analytical and clinical performance of a fully automated cardiac multi-markers strategy based on protein biochip microarray technology.](#)
*OBJECTIVES: The analytical and clinical performance of the Evidence...*6th February, 2008
Department of Laboratory Medicine, University-Hospital of Padova, Via- Clin Biochem. 2007 Nov;40(16-17):1245-51. Epub 2007 Aug 10. ([DOI Direct Link](#))
- [Advanced glycation end-product accumulation and associated protein modification in type II skeletal muscle with aging.](#)
*One mechanism that may influence the quality of skeletal muscle proteins,...*25th January, 2008
Department of Physical Medicine and Rehabilitation, University of- J Gerontol A Biol Sci Med Sci. 2007 Nov;62(11):1204-10.
- [Carbonic anhydrase inhibitors: cloning, characterization, and inhibition studies of the cytosolic isozyme III with sulfonamides.](#)
*The cytosolic human carbonic anhydrase (hCA, EC 4.2.1.1) isozyme III (hCA...*12th January, 2008
Department of Gastroenterology and Hepatology, Kochi Medical School,- Bioorg Med Chem. 2007 Dec 1;15(23):7229-36. Epub 2007 Aug 25. ([DOI Direct Link](#))
- [A new target for autoantibodies in patients with rheumatoid arthritis.](#)
*Early treatment of rheumatoid arthritis (RA) with disease-modifying...*31st October, 2007
Hospices Civils de Lyon, INSERM U851, Lyon-Sud Hospital, Department of- Ann N Y Acad Sci. 2007 Jun;1108:382-91.
- [Carbonic anhydrase III: a new target for autoantibodies in autoimmune diseases.](#)
*The objective of this study was to identify new autoantibodies that could...*24th October, 2007
Department of Autoimmunity, Lyon-Sud Hospital, Hospices Civils de Lyon,- Autoimmunity. 2007 Jul;40(5):380-9. ([DOI Direct Link](#))
- [Identification by proteomic tool of atypical anti-liver/kidney microsomal autoantibodies targets in de novo autoimmune hepatitis after liver transplantation.](#)
*De novo autoimmune hepatitis (AIH) occurs after liver transplantation for...*3rd October, 2007
INSERM, Unite 785, Villejuif, F-94804, France.- Ann N Y Acad Sci. 2007 Aug;1109:345-57. ([DOI Direct Link](#))
- [Exercise training in normobaric hypoxia: is carbonic anhydrase III the best marker of hypoxia?](#)
*De novo autoimmune hepatitis (AIH) occurs after liver transplantation for...*21st September, 2007
- J Appl Physiol. 2007 Aug;103(2):730; author reply 731-2. ([DOI Direct Link](#))

Carbonic Anhydrase Iii Patents:



- 5134121- [Nerve growth factor peptides](#)
- 5989838- [Immunological methods of detecting MN proteins and MN polypeptides](#)
- 6004535- [Methods of imaging neoplastic disease and of detecting and quantifying MN protein/polypeptide using MN-specific antibodies](#)
- 6010849- [Sequence-directed DNA binding molecules compositions and methods](#)
- 6025194- [Nucleic acid sequence of senescence associated gene](#)
- 6027887- [MN gene and protein](#)
- 6051226- [MN-specific antibodies and their use in cancer treatment](#)

- 6069242- [MN gene and protein](#)
- 6093548- [Detection and quantitation of MN-specific antibodies.](#)
- 6099469- [Reflex algorithm for early and cost effective diagnosis of myocardial infarctions suitable for automated diagnostic platforms](#)
- 6187579- [Customized proteases](#)
- 5981711- [MN-specific antibodies and hybridomas](#)
- 5972353- [MN proteins, polypeptides, fusion proteins and fusion polypeptides](#)
- 5955075- [Method of inhibiting tumor growth using antibodies to MN protein](#)
- 5503982- [Detection of an acute myocardial infarction in a patient](#)
- 5563057- [Method for refolding misfolded enzymes with detergent and cyclodextrin](#)
- 5578444- [Sequence-directed DNA-binding molecules compositions and methods](#)
- 5658737- [Compositions and methods for the simultaneous detection and quantification of multiple specific nucleic acid sequences](#)
- 5726014- [Screening assay for the detection of DNA-binding molecules](#)
- 5756709- [Compositions for the simultaneous detection and quantification of multiple specific nucleic acid sequences](#)
- 5827656- [Compositions and methods for the simultaneous detection and quantification of multiple specific nucleic acid sequences](#)
- 5840873- [Labeled hybridization assay probes useful for the detection and quantification of multiple nucleic acid sequences](#)
- 5869241- [Method of determining DNA sequence preference of a DNA-binding molecule](#)
- 5945329- [Customized proteases](#)
- 6204370- [MN gene and protein](#)
- 6297041- [MN gene and protein](#)
- 7060275- [Use of protein biomolecular targets in the treatment and visualization of brain tumors](#)
- 7108982- [Diagnostics and the therapeutics for macular degeneration](#)
- 7115715- [Anti-idiotypic antibodies to MN proteins and MN polypeptides](#)
- 7141549- [Proteins and nucleic acids encoding same](#)
- 7186514- [MN gene and protein](#)
- 7238470- [Method of treating or inhibiting obesity](#)
- 7256184- [Treatment of aging disorders in humans](#)
- 7276593- [Proteins and nucleic acids encoding same](#)
- 7282325- [Method of preparing pharmaceutical compositions](#)
- 7358042- [Triosephosphate isomerase directed diagnostics and therapeutics for multidrug resistant neoplastic disease](#)
- 6991901- [Proteins and nucleic acids encoding same](#)
- 6964849- [Proteins and nucleic acids encoding same](#)
- 6946243- [Method of identifying compounds suitable for treatment and/or prophylaxis of obesity](#)
- 6297051- [MN gene and protein](#)
- 6335170- [Gene expression in bladder tumors](#)
- 6406710- [Protein occlusion for delivery of small molecules](#)
- 6673562- [Differential immunoassay](#)
- 6770438- [MN gene and protein](#)
- 6774117- [MN gene and protein](#)
- 6808938- [Method and apparatus for assaying a drug candidate to estimate a pharmacokinetic parameter associated therewith](#)
- 6821997- [Therapeutic and prophylactic treatment of aging and disorders of aging in humans](#)
- 6869765- [Sequence-directed DNA-binding molecules compositions and methods](#)
- 6936417- [Gene expression in bladder tumors](#)
- 7365178- [Acyl-nucleotide probes and methods of their synthesis and use in proteomic analysis](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

