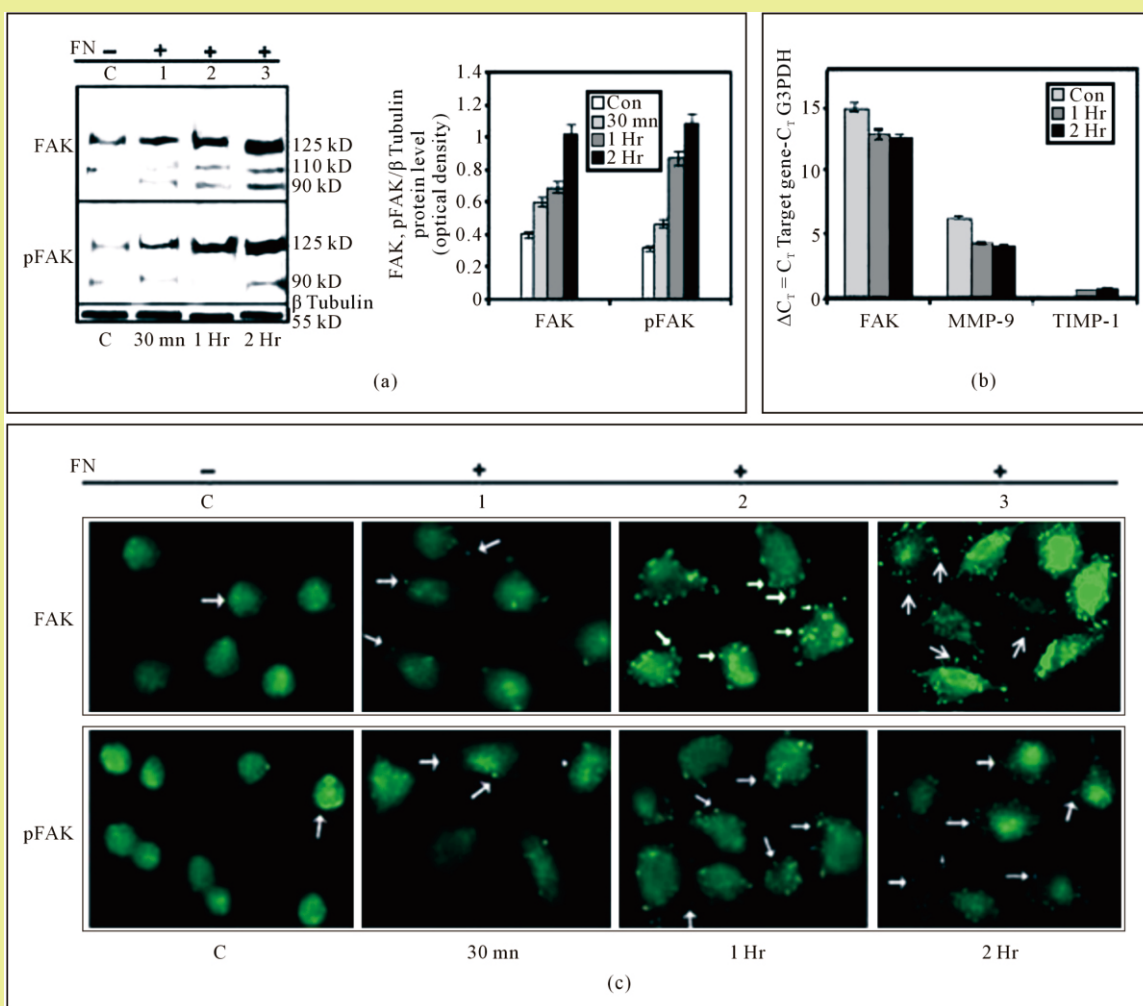


Advances in Biological Chemistry



Journal Editorial Board

ISSN 2162-2183 (Print) ISSN 2162-2191 (Online)

<http://www.scirp.org/journal/abc>

Editor in Chief

Dr. Christo Christov

Northumbria University, UK

Editorial Board

Prof. Marilee Ann Benore

University of Michigan-Dearborn, USA

Dr. Eduardo Alberto Castro

Universidad Nacional de La Plata, Argentina

Dr. Tatyana Karabencheva Christova

Northumbria University, UK

Prof. Howard William Clark

University of Southampton, UK

Dr. Nicolay Ivanov Dodoff

Bulgarian Academy of Sciences, Bulgaria

Dr. Rossen M. Donev

Swansea University, UK

Dr. Pablo R. Duchowicz

La Plata National University, Argentina

Prof. Asim K. Duttaroy

University of Oslo, Norway

Dr. Purnachandra Nagaraju Ganji

Emory University, USA

Dr. Havard Jenssen

Roskilde University, Denmark

Prof. Phillip E. Klebba

University of Oklahoma, USA

Dr. Alexander A. Konstantinov

Moscow State University, Russia

Dr. Peizhong Mao

Oregon Health & Science University (OHSU), USA

Dr. Ali B. Naini

Columbia University Medical Center, USA

Dr. Ravi Radhakrishnan

University of Pennsylvania, USA

Dr. Moreno-Sánchez Rafael

Instituto Nacional de Cardiologia, Mexico

Prof. David J. Riese II

Auburn University, USA

Dr. Rafat Siddiqui

Methodist Research Institute, USA

Prof. Pablo Sobrado

Virginia Tech, USA

Dr. Vincent J. VanBuren

Texas A&M HSC College of Medicine, USA

Dr. Deyu Xie

North Carolina State University, USA

Dr. Tetiana Zaichuk

Northwestern University, USA

Editorial Assistant

Karen Zhang

Scientific Research Publishing, USA

Email: abc@scirp.org

TABLE OF CONTENTS

Volume 2, Number 1, February 2012

Anomeric specificity of D-glucose metabolism study in rat and human erythrocytes W. J. Malaisse.....	1
Glycosylation and secretion of human α-amylases S. Takashima, J. Amano.....	10
Growth inhibition of a human colon carcinoma cell, COLO 201, by a natural product, <i>Vitex agnus-castus</i> fruits extract, <i>in vivo</i> and <i>in vitro</i> M. Imai, B. Yuan, H. Kikuchi, M. Saito, K. Ohyama, C. Hirobe, T. Oshima, T. Hosoya, H. Morita, H. Toyoda.....	20
Studies on Focal Adhesion Kinase in human breast cancer cell MDA-MB-231 K. K. Ganguly, T. Sen, S. Pal, J. Biswas, A. Chatterjee.....	29
The histone deacetylase inhibitor trichostatin A induces cell cycle arrest and rapid upregulation of gadd45β in LS174T human colon cancer cells T. Taniguchi, J. Iwashita, J. Murata, K. Ueda, T. Abe.....	43
Effect of maternal exposure to octylphenol (4-tert-octylphenol) on the growth of the adrenal gland in male albino rats N. M. Batarfi.....	51
Evaluation of eco-friendly coagulant from <i>Trigonella foenum-graecum</i> seed C. Ramamurthy, M. U. Maheswari, N. Selvaganabathy, M. S. Kumar, V. Sujatha, C. Thirunavukkarasu.....	58
Applying the mutation of <i>Bacillus subtilis</i> and the optimization of feather fermentation medium to improve Keratinase activity X. Zhang.....	64
Ratio quantification of gene dosage by Agilent 2100 Bioanalyzer for detection of somatic gene deletions P. Hwu, Q. Liu, Y. F. Wang, L. L. Chen, Y. W. Cheng, W. R. Lin, Y. Yen.....	70

The figure on the front cover is from the article published in Advances in Biological Chemistry, 2012, Vol. 2, No. 1, pp. 29-42 by Kirat Kumar Ganguly, Triparna Sen, Sekhar Pal, Jaydip Biswas and Amitava Chatterjee.

Advances in Biological Chemistry (ABC)

Journal Information

SUBSCRIPTIONS

The Advances in Biological Chemistry (Online at Scientific Research Publishing, www.Scirp.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

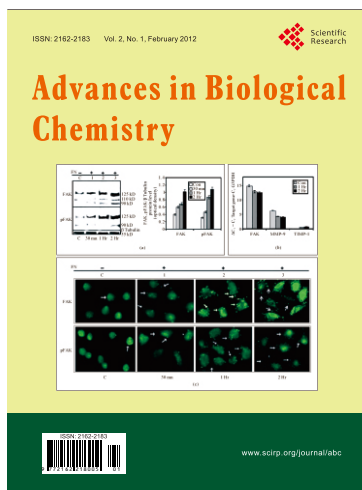
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: abc@scirp.org

Call for Papers



Advances in Biological Chemistry (ABC)

ISSN 2162-2183 (Print) ISSN 2162-2191 (Online)
<http://www.scirp.org/journal/abc>

Advances in Biological Chemistry (ABC) is an international journal dedicated to the latest advancement of Biological Chemistry. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of Biological Chemistry. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Animal and Human Biochemistry
- Applied Biochemistry and Biochemical Engineering
- Biochemical Immunology
- Biochemical Methods
- Biochemical Pharmacology and Toxicology
- Biomolecular Spectroscopy
- Computational Biochemistry and Biomolecular Modelling
- Enzymology
- Inorganic Biochemistry
- Lipid Biochemistry
- Medical Biochemistry
- Medicinal Chemistry
- Membrane Biochemistry
- Microbial Biochemistry
- Neurobiochemistry
- Nucleic Acids Biochemistry
- Peptide and Protein Biochemistry
- Plant Biochemistry
- Polysaccharide Biochemistry
- Structural Bioinformatics

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Website and E-Mail

<http://www.scirp.org/journal/abc>

E-mail: abc@scirp.org