



Discovery of Antibody Biomarker

Guest Editor:

Dr. Takaki Hiwasa

Department of Biochemistry and
Genetics, Graduate School of
Medicine, Chiba University, Chiba
260-8670, Japan

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Message from the Guest Editor

Dear Colleagues,

Biomarkers are important and indispensable not only for diagnosis but also for the identification of therapeutic targets. Autoantibodies have causal roles in autoimmune diseases, and may affect the development of cancer. The recent development of technology has revealed that autoantibodies are developed against most proteins in the body. Such autoantibodies may reflect an individual's medical history. Therefore, autoantibodies can be applicable for diagnosis of other varieties of diseases in addition to autoimmune disease and cancer. Antibody levels are tremendously increased by repeated exposure to antigens. Therefore, antibody markers are highly sensitive and capable of discriminate trivial alterations of cells and organs. It has been suggested that autoantibodies sometimes play causal roles in other diseases than autoimmune diseases. Thus, analysis of autoantibodies is effective in the identification of therapeutic targets. Remarkable development of antibody biomarkers is expected in the future.





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Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical
Physiology, Nuclear Medicine &
PET National University Hospital,
Rigshospitalet, University of
Copenhagen, Blegdamsvej 9, DK-
2100 Copenhagen, Denmark

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