

Expression of Concern

Guanine quadruplex structures localize to heterochromatin

Roland F. Hoffmann¹, Yuri M. Moshkin², Stijn Mouton¹, Nicola A. Grzeschik³, Ruby D. Kalicharan³, Jeroen Kuipers³, Anouk H.G. Wolters³, Kazuki Nishida⁴, Aleksander V. Romashchenko^{2,5}, Jan Postberg⁶, Hans Lipps⁷, Eugene Berezikov^{1,5}, Ody C.M. Sibon³, Ben N.G. Giepmans³ and Peter M. Lansdorp^{1,8,*}

¹European Research Institute for the Biology of Ageing, University of Groningen, University Medical Centre Groningen, A. Deusinglaan 1, NL-9713 AV Groningen, The Netherlands, ²Department of Biochemistry, Erasmus University Medical Center, Dr. Molewaterplein 50, NL-3015 GE Rotterdam, The Netherlands, ³Department of Cell Biology, University of Groningen, University Medical Centre Groningen, A. Deusinglaan 1, NL-9713 AV Groningen, The Netherlands, ⁴Faculty of Medicine, Kyoto University, Kyoto 606–8501, Japan, ⁵Institute of Cytology and Genetics, Siberian Branch of the Russian Academy of Sciences, Novosibirsk 630090, Russia, ⁶Helios Medical Centre Wuppertal, Paediatrics Centre, Witten/Herdecke University, Wuppertal, Germany, ⁷Institute of Cell Biology, Centre for Biomedical Education and Research, Witten/Herdecke University, Witten, Germany and ⁸Terry Fox Laboratory, British Columbia Cancer Agency and Department of Medicine, University of British Columbia Vancouver, BC, V5Z 1L3, Canada

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The corresponding Author and Editors wish to jointly express a note of concern regarding the above article.

Recent studies by the corresponding Author and new collaborators have revealed that mouse monoclonal antibody 1H6, used in the above article to detect G-quadruplexes, cross-reacts with some other DNA sequences, notably adjacent thymidines in single stranded DNA that are restricted in their movement in G4 structures and denatured DNA fibers. While the data reported in the published article remain valid, the Editors and corresponding Author wish to alert Readers of this cross-reactivity as it is likely to affect the interpretation of the results of all experiments using the 1H6 antibody.

The Editors commend the corresponding Author for being forthcoming and disclosing these latest results which have been also been published in NAR (1).

Keith Fox, Senior Executive Editor, *Nucleic Acids Research*

Barry Stoddard, Senior Executive Editor, *Nucleic Acids Research*

REFERENCE

1. Kazemier, H.G., Paeschke, K. and Lansdorp, P.M. (2017) Guanine quadruplex monoclonal antibody 1H6 cross-reacts with restrained thymidine-rich single stranded DNA, *Nucleic Acids Res.*, 10.1093/nar/gkx245.

*To whom correspondence should be addressed. Tel: +31 50 361 7300; Fax: +31 50 361 7300; Email: p.m.lansdorp@umcg.nl