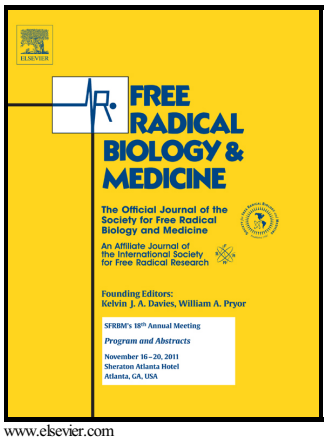
# Identification of an unstable 4-hydroxynoneal modification on the 20S proteasome subunit α7 by recombinant antibody technology.

Jesper Just, Tobias Jung, Niels Anton Friis, Simon Lykkemark, Kim Drasbek, Gunhild Siboska, Tilman Grune, Peter Kristensen




www.elsevier.com

PII: S0891-5849(15)01074-6
DOI: http://dx.doi.org/10.1016/j.freeradbiomed.2015.10.405
Reference: FRB12623

To appear in: *Free Radical Biology and Medicine*

Received date: 26 May 2015
Revised date: 7 September 2015
Accepted date: 8 October 2015

Cite this article as: Jesper Just, Tobias Jung, Niels Anton Friis, Simon Lykkemark, Kim Drasbek, Gunhild Siboska, Tilman Grune and Peter Kristensen, Identification of an unstable 4-hydroxynoneal modification on the 20S proteasome subunit α7 by recombinant antibody technology., *Free Radical Biology and Medicine,* http://dx.doi.org/10.1016/j.freeradbiomed.2015.10.405

# Identification of an unstable 4-hydroxynoneal modification on the 20S proteasome subunit α7 by recombinant antibody technology.

Jesper Just[a], Tobias Jung[b], Niels Anton Friis[a], Simon Lykkemark[c,d], Kim Drasbek[c], Gunhild Siboska[a] , Tilman Grune[b], Peter Kristensen[e*]

[a] Aarhus University, Department of Molecular Biology and Genetics, Gustav Wieds Vej 10, 8000 Aarhus C, Denmark.

[b] German Institute of Human Nutrition Potsdam-Rehbruecke (DIfE), Arthur-Scheunert-Allee 114-116, 14558 Nuthetal, Germany

[c]Department of Clinical Medicine, Aarhus University, Aarhus, Denmark

[d]Sino-Danish Centre for Education and Research (SDC), Aarhus, Denmark

[e]Aarthus Univeristy, Department of Engineering, Gustav Wieds Vej 10, 8000 Aarhus C, Denmark

*Correspondence to: Peter Kristensen. E-mail: pk@eng.au.dk , Phone: +45 87155468