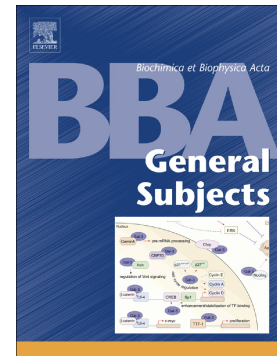


Accepted Manuscript

Characteristic glycopeptides associated with extreme human longevity identified through plasma glycoproteomics

Yuri Miura, Noritaka Hashii, Yuki Ohta, Yoko Itakura, Hiroki Tsumoto, Junya Suzuki, Daisuke Takakura, Yukiko Abe, Yasumichi Arai, Masashi Toyoda, Nana Kawasaki, Nobuyoshi Hirose, Tamao Endo



PII: S0304-4165(18)30087-4
DOI: doi:[10.1016/j.bbagen.2018.03.025](https://doi.org/10.1016/j.bbagen.2018.03.025)
Reference: BBAGEN 29076

To appear in:

Received date: 30 November 2017
Revised date: 7 March 2018
Accepted date: 21 March 2018

Please cite this article as: Yuri Miura, Noritaka Hashii, Yuki Ohta, Yoko Itakura, Hiroki Tsumoto, Junya Suzuki, Daisuke Takakura, Yukiko Abe, Yasumichi Arai, Masashi Toyoda, Nana Kawasaki, Nobuyoshi Hirose, Tamao Endo , Characteristic glycopeptides associated with extreme human longevity identified through plasma glycoproteomics. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Bbagen(2018), doi:[10.1016/j.bbagen.2018.03.025](https://doi.org/10.1016/j.bbagen.2018.03.025)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Characteristic glycopeptides associated with extreme human longevity identified through plasma glycoproteomics

Yuri Miura¹, Noritaka Hashii², Yuki Ohta^{2†}, Yoko Itakura³, Hiroki Tsumoto¹, Junya Suzuki², Daisuke Takakura^{2††}, Yukiko Abe⁴, Yasumichi Arai⁴, Masashi Toyoda³, Nana Kawasaki^{2†}, Nobuyoshi Hirose⁴, and Tamao Endo^{1*}

¹Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology, 35-2 Sakae-cho, Itabashi-ku, Tokyo 173-0015, Japan

²Division of Biological Chemistry and Biologicals, National Institute of Health Sciences, 3-25-26 Tono-machi, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9501, Japan

³Research Team for Geriatric Medicine, Tokyo Metropolitan Institute of Gerontology, 35-2 Sakae-cho, Itabashi-ku, Tokyo 173-0015, Japan

⁴Center for Supercentenarian Medical Research, Keio University School of Medicine, 35 Shinanomachi, Shinjuku-ku, Tokyo 160-8582, Japan

†Current address: Graduate School of Medical Life Science, Yokohama City University, 3-9 Hukuura, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004, Japan

††Current address: Center for Integrated Medical Research, Keio University School of Medicine, 35 Shinanomachi, Shinjuku-ku, Tokyo 160-8582, Japan

*Corresponding author: Tamao Endo

Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology, 35-2 Sakae-cho, Itabashi-ku, Tokyo 173-0015, Japan

E-mail: endo@tmig.or.jp

Abbreviations: ALB, albumin; ANOVA, analysis of variance; CRP, C-reactive protein; ECA, *Erythrina cristagalli*; GOT, glutamic oxaloacetic transaminase; GPT, glutamic pyruvic transaminase; γ GTP, γ -glutamyl transpeptidase; HB, haemoglobin; HCC, hepatocellular carcinoma; IL-6, interleukin-6; LC, liver cirrhosis; LC/MS, liquid chromatography/mass spectrometry; OPLS-DA, orthogonal projections to latent structures discriminant analysis; PHAL, *Phaseolus vulgaris*; PLT, platelet; RBC, red blood cell; SSCs, Semi-supercentenarians; TNF- α , tumour necrosis factor- α ; TP, total protein; WBC, white blood cell.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات