

Glycogen

Title	Effects of glycogen on ceramide production in cultured human keratinocytes via acid sphingomyelinase activation
Publication (year)	Journal of Applied Glycoscience 68, 41-46 (2021)
Author	Yatsuhashi H, Furuyashiki T, Vo Phuong, Kamasaka H, Kuriki T

Title	Functional Study on Enzymatically Synthesized Glycogen and Its Application
Publication (year)	Journal of Applied Glycoscience 8, 138-144 (2018)
Author	R. Kakutani, S. Hokari, M. Yanase, A. Kubo, H. Kajiura, T. Furuyashiki, H. Takata, T. Takaha, T. Kuriki

Title	Effects of enzymatically synthesized glycogen on lipid metabolism in diet induced obese mice
Publication (year)	Food Science and Technology Research 24, 119-127 (2018)
Author	T. Furuyashiki, R. Ogawa, Y. Nakayama, K. Honda, H. Kamisoyama, H. Takata, H. Kamasaka, M. Yasuda, T. Kuriki, and H. Ashida

Title	Qualitative and quantitative analyses of glycogen in human milk.
Publication (year)	Journal of Agricultural and Food Chemistry 65, 1314-1319 (2017)
Author	H. Matsui-Yatsuhashi, T. Furuyashiki, H. Takata, M. Ishida, H. Takumi, R. Kakutani, H. Kamasaka, S. Nagao, J. Hirose, and T. Kuriki

Title	Immunomodulatory Effect and Cell-stimulating Mechanism of Enzymatically Synthesized Glycogen (ESG)
Publication (year)	Bulletin of applied glycoscience 4, 209-211 (2014)
Author	R. Kakutani

Title	Immunomodulatory activity of enzymatically synthesized glycogen and its digested metabolite in a co-culture system consisting of differentiated Caco-2 cells and RAW264.7 macrophages
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Publication (year)	Food & function 4, 1387-1393 (2013)
Author	M. Yasuda, T. Furuyashiki, T. Nakamura, R. Kakutani, H. Takata and H. Ashida

Title	Enzymatically synthesized glycogen reduces lipid accumulation in diet-induced obese rats
Publication (year)	Nutrition research 33, 743-752 (2013)
Author	T. Furuyashiki, R. Ogawa, Y. Nakayama, K. Honda, H. Kamisoyama, H. Takata, M. Yasuda, T. Kuriki and H. Ashida

Title	Comparative analysis of carbohydrate-binding specificities of two anti-glycogen monoclonal antibodies using ELISA and surface plasmon resonance
Publication (year)	Carbohydrate Research 350, 49-54 (2012)
Author	S. Nakamura-Tsuruta, M. Yasuda, T. Nakamura, E. Shinoda, T. Furuyashiki, R. Kakutani, H. Takata, Y. Kato and H. Ashida

Title	Essential role of Toll-like receptor 2 in macrophage activation by glycogen
Publication (year)	Glycobiology 22, 146-159 (2012)
Author	R. Kakutani, Y. Adachi, H. Takata, T. Kuriki and N. Ohno

Title	The effect of orally administered glycogen on anti-tumor activity and natural killer cell activity in mice
Publication (year)	International Immunopharmacology 12, 80-87 (2012)
Author	R. Kakutani, Y. Adachi, H. Kajiura, H. Takata, T. Kuriki and N. Ohno

Title	Glucose uptake mediated by glucose transporter 1 is essential for early tooth morphogenesis and size determination of murine molars
Publication (year)	Developmental Biology 363, 52-61 (2012)
Author	H. Ida-Yonemochi, M. Nakatomi, H. Harada, H. Takata, O. Baba and H. Ohshima

Title	In vitro synthesis of glycogen: the structure;properties;and physiological function of enzymatically-synthesized glycogen
Publication (year)	Biologia 66, 387-394 (2011)
Author	H. Kajiura, H. Takata, T. Akiyama, R. Kakutani, T. Furuyashiki, I. Kojima, T. Harui and T. Kuriki

Title	Rapid rehydration and moderate plasma glucose elevation by fluid containing enzymatically synthesized glycogen
Publication (year)	Journal of Nutritional Science and Vitaminology 57, 170-176 (2011)
Author	K. Inagaki, K. Ishihara, M. Ishida, A. Watanabe, M. Fujiwara, Y. Komatsu, M. Shirai, K. Yoshiho, A. Takanezawa and T. Furuyashiki

Title	Metabolic fate of orally administered enzymatically synthesized glycogen in rats
Publication (year)	Food & Function 2, 183-189 (2011)
Author	T. Furuyashiki, H. Takata, I. Kojima, T. Kuriki, I. Fukuda and H. Ashida

Title	A new method for in vitro glycogen synthesis;and the structure and properties of the synthesized glycogen
Publication (year)	Journal of Applied Glycoscience 57, 105-111 (2010)
Author	H. Kajiura, H. Takata, T. Akiyama, R. Ueyama, R. Kakutani, T. Furuyashiki, I. Kojima, R. Takeda, T. Kuriki

Title	Safety evaluation of an enzymatically-synthesized glycogen (ESG)
Publication (year)	Regulatory Toxicology and Pharmacology 57, 210-219 (2010)
Author	S. Tafazoli, A. W. Wong, H. Kajiura, R. Kakutani, T. Furuyashiki, H. Takata and T. Kuriki

Title	Structure and solution properties of enzymatically synthesized glycogen
Publication (year)	Carbohydrate Research 345, 817-824 (2010)
Author	H. Kajiura, H. Takata, T. Kuriki and S. Kitamura

Title	Fine structural properties of natural and synthetic glycogens
Publication (year)	Carbohydrate Research 344, 654-659 (2009)
Author	H. Takata, H. Kajiura, T. Furuyashiki, R. Kakutani and T. Kuriki

Title	Stimulation of macrophage by enzymatically synthesized glycogen: the relationship between structure and biological activity
Publication (year)	Biocatalysis and Biotransformation 26, 152-160 (2008)
Author	R. Kakutani, Y. Adachi, H. Kajiura, H. Takata, N. Ohno and T. Kuriki

Title	A novel enzymatic process for glycogen production
Publication (year)	Biocatalysis and Biotransformation 26, 133-140 (2008)
Author	H. Kajiura, R. Kakutani, T. Akiyama, H. Takata and T. Kuriki

Title	Relationship between structure and immunostimulating activity of enzymatically synthesized glycogen
Publication (year)	Carbohydrate Research 342, 2371-2379 (2007)
Author	R. Kakutani, Y. Adachi, H. Kajiura, H. Takata, T. Kuriki and N. Ohno

Title	Anti-tumor activity of an enzymatically synthesized α-1,6 branched α-1,4-glucan;glycogen
Publication (year)	Bioscience, Biotechnology, and Biochemistry 68, 2332-2340 (2004)
Author	K. Ryoyama, Y. Kidachi, H. Yamaguchi, H. Kajiura and H. Takata