

1. Weidong Zhang, Ayako Miura, Md Moin Abu Saleh, Koichiro Shimizu, Yuichiro Mita, Ryota Tanida, Satoshi Hirako, Seiji Shioda, Valery Gmyr, Julie Kerr-Conte, Francois Pattou, Chunhuan Jin, Yoshikatsu Kanai, Kazuki Sasaki, Naoto Minamino, Hideyuki Sakoda, Masamitsu Nakazato. The NERP-4-SNAT2 axis regulates pancreatic β -cell maintenance and function. *Nature Communications* 14: 8158, 2023.
2. Durga Paudel, Yasuhiro Kuramitsu, Osamu Uehara, Tetsuro Morikawa, Koki Yoshida, Sarita Giri, Syed Taufiqul Islam, Takao Kitagawa, Tadashi Kondo, Kazuki Sasaki, Hirofumi Matsuoka, Hiroko Miura, Yoshihiro Abiko: Proteomic and microbiota analyses of the oral cavity during psychological stress. *PLoS ONE* 17: e0268155, 2022.
3. Shingo Miyamoto, Yoshiko Nagano, Makoto Miyazaki, Yuko Nagamura, Kazuki Sasaki, Takeshi Kawamura, Kazuyoshi Yanagihara, Toshio Imai, Rieko Ohki, Masakazu Yashiro, Masato Tanaka, Ryuichi Sakai, Hideki Yamaguchi: Integrin $\alpha 5$ mediates cancer cell-fibroblast adhesion and peritoneal dissemination of diffuse-type gastric carcinoma. *Cancer Letters*. 526: 335-345, 2022.
4. Yuko Nagamura, Makoto Miyazaki, Yoshiko Nagano, Masako Yuki, Kiyoko Fukami, Kazuyoshi Yanagihara, Kazuki Sasaki, Ryuichi Sakai, Hideki Yamaguchi: PLEKHA5 regulates the survival and peritoneal dissemination of diffuse-type gastric carcinoma cells with Met gene. *Oncogenesis* 10: 25, 2021.
5. Satsuki Miyazaki, Aya Tashiro, Takashi Tsuchiya, Kazuki Sasaki, Jun-ichi Miyazaki. Establishment of a long-term stable β -cell line and its application to analyze the effect of Gcg expression on insulin secretion. *Scientific Reports* 11: 477, 2021
6. Takashi Tsuchiya, Aya Nakayama, Takeshi Kawamura, Kazuki Sasaki*. Capillary electrophoresis electrospray ionization-mass spectrometry for peptidomics-based processing site determination. *Biochemical and Biophysical Research Communications* 533: 872-8, 2020
7. Kazuki Sasaki*, Takashi Tsuchiya, Tsukasa Osaki. Isolation of Endogenous Peptides from Cultured Cell Conditioned Media for Mass Spectrometry. *Methods in Molecular Biology* 1719:51-8, 2018
8. Takashi Tsuchiya, Hiroshi Iwakura, Naoto Minamino, Kenji Kangawa, Kazuki Sasaki*. Endogenous peptide profile for elucidating biosynthetic processing of the ghrelin precursor. *Biochemical and Biophysical Research Communications* 490:1142-46, 2017
9. Cherl Namkoong, Koji Toshinai, Zaved Waise, Hideyuki Sakoda, Kazuki Sasaki, Yoichi Ueta, Min-Seon Kim, Naoto Minamino, Masamitsu Nakazato. NERP-2 regulates gastric acid secretion and gastric emptying via the orexin pathway. *Biochemical and Biophysical Research Communications* 485:409-13, 2017
10. Soon Gang Choi, Qian Wang, Jingjing Jia, Maria Chikina, Hanna Pincas, Georgia Dolios, Kazuki Sasaki, Rong Wang, Naoto Minamino, Stephen R. J. Salton and Stuart C. Sealfon. Characterization of gonadotrope secretoproteome identifies neurosecretory protein VGF-derived peptide suppression of follicle-stimulating hormone gene expression. *Journal of Biological Chemistry* 291:21322-34, 2016
11. Takashi Tsuchiya, Tsukasa Osaki, Naoto Minamino, Kazuki Sasaki*. Peptidomics for studying limited proteolysis. *Journal of Proteome Research* 14:4921-31, 2015
12. Ji-Won Kim, Marie Rhee, Jae-Hyung Park, Hideki Yamaguchi, Kazuki Sasaki, Naoto Minamino, Masamitsu Nakazato, Dae-Kyu Song, Kun-Ho Yoon. Chronic effects of neuroendocrine regulatory peptide (NERP-1 and -2)

on insulin secretion and gene expression in pancreatic β -cells. *Biochemical and Biophysical Research Communications* 457:148-53, 2015

13. Koji Toshinai, Takeshi Saito, Hideki Yamaguchi, Kazuki Sasaki, Wakaba Tsuchimochi, Naoto Minamino, Yoichi Ueta, Masamitsu Nakazato. Neuroendocrine regulatory peptide-1 and -2 (NERPs) inhibit the excitability of magnocellular neurosecretory cells in the hypothalamus. *Brain Research* 1563:52-60, 2014
14. Mio Nonaka, Ryang Kim, Hotaka Fukushima, Kazuki Sasaki, Kanzo Suzuki, Michiko Okamura, Yuichiro Ishii, Takashi Kawashima, Satoshi Kamijo, Sayaka Takemoto-Kimura, Hiroyuki Okuno, Satoshi Kida, Haruhiko Bito. Region-Specific Activation of CRTCL-CREB signaling mediates long-term fear memory. *Neuron* 84:92-106, 2014
15. Arata Tomiyama, Takamasa Uekita, Reiko Kamata, Kazuki Sasaki, Junko Takita, Miki Ohira, Akira Nakagawara, Chifumi Kitanaka, Kentaro Mori, Hideki Yamaguchi, Ryuichi Sakai. Flotillin-1 regulates oncogenic signaling in neuroblastoma cells by regulating ALK membrane association. *Cancer Research* 74:3790-801, 2014
16. Kyohei Tokizane, Hiroyuki Konishi, Masaya Yasui, Tokiko Ogawa, Kazuki Sasaki, Naoto Minamino, Hiroshi Kiyama. Continuous stress promotes expression of VGF in melanotroph via suppression of dopamine. *Molecular and Cellular Endocrinology* 372:49-56, 2013
17. Kazuki Sasaki*, Tsukasa Osaki, Naoto Minamino. Large-scale identification of endogenous secretory peptides using electron transfer dissociation mass spectrometry. *Molecular and Cellular Proteomics* 12:700-9, 2013
18. Shintaro Shimamura, Kazuki Sasaki, Masamitsu Tanaka. The Src substrate SKAP2 regulates actin assembly by interacting with WAVE2 and cortactin proteins. *Journal of Biological Chemistry* 288:1171-83, 2013
19. Abu Saleh Md. Moin, Hideki Yamaguchi, Marie Rhee, Ji-Wom Kim, Koji Toshinai, T. M. Zaved Waise, Farhana Naznin, Takashi Matsuo, Kazuki Sasaki, Naoto Minamino, Kun-Ho Yoon, Masamitsu Nakazato. Neuroendocrine regulatory peptide-2 stimulates glucose-induced insulin secretion in vivo and in vitro. *Biochemical and Biophysical Research Communications* 428:512-7, 2012
20. Hiroaki Fujihara, Kazuki Sasaki, Emi Mishiro-Sato, Toyoaki Ohbuchi, Govindan Dayanithi, Motoo Yamasaki, Yoichi Ueta, Naoto Minamino. Molecular characterization and biological function of neuroendocrine regulatory peptide-3 in the rat. *Endocrinology* 153:1377-86, 2012
21. Tsukasa Osaki, Kazuki Sasaki*, Naoto Minamino. Peptidomics-based discovery of an antimicrobial peptide derived from insulin-like growth factor-binding protein 5. *Journal of Proteome Research* 10:1870-80, 2011
22. Reiko Yagi, Masamitsu Tanaka, Kazuki Sasaki, Reiko Kamata, Yukihiro Nakanishi, Yae Kanai, Ryuichi Sakai. ARAP3 inhibits peritoneal dissemination of scirrhous gastric carcinoma cells by regulating cell adhesion and invasion. *Oncogene* 30:1413-21, 2011
23. Kazuki Sasaki*, Noriyuki Takahashi, Mitsuo Satoh, Motoo Yamasaki, Naoto Minamino. A peptidomics strategy for discovering endogenous bioactive peptides. *Journal of Proteome Research* 9:5047-52, 2010
24. Koji Toshinai, Hideki Yamaguchi, Haruaki Kageyama, Takashi Matsuo, Keiichi Koshinaka, Kazuki Sasaki, Seiji Shioda, Naoto Minamino, Masamitsu Nakazato. Neuroendocrine regulatory peptide-2 regulates feeding behavior via the orexin system in the hypothalamus. *American Journal of Physiology, Endocrinology and Metabolism* 299:E394-401, 2010
25. Takashi Matsuo, Hideki Yamaguchi, Haruaki Kageyama, Kazuki Sasaki, Seiji Shioda, Naoto Minamino, Masamitsu Nakazato. Localization of neuroendocrine regulatory peptide-1 and-2 in human tissues. *Regulatory Peptides* 163:43-8, 2010

26. Emi Mishiro-Sato, Kazuki Sasaki, Takashi Matsuo, Haruaki Kageyama, Hideki Yamaguchi, Yukari Date, Masako Matsubara, Takehiro Ishizu, Kumiko Yoshizawa-Kumagaye, Yoshinori Satomi, Toshifumi Takao, Seiji Shioda, Masamitsu Nakazato, Naoto Minamino. Distribution of neuroendocrine regulatory peptide-1 and -2, and proteolytic processing of their precursor VGF protein in the rat. *Journal of Neurochemistry* 114:1097-106, 2010
27. Aiko Tominaga, Hideki Sugawara, Toshitaka Futagawa, Kazuhiko Inoue, Kazuki Sasaki, Naoto Minamino, Mamoru Hatakeyama, Hiroshi Handa, Atsuro Miyata. Characterization of the testis-specific promoter region in the human pituitary adenylate cyclase-activating polypeptide (PACAP) gene. *Genes to Cells* 15:595-606, 2010
28. Kazuki Sasaki*, Yoshinori Satomi, Toshifumi Takao, Naoto Minamino. Snapshot peptidomics of the regulated secretory pathway. *Molecular and Cellular Proteomics* 8:1638-47, 2009
29. Masamitsu Tanaka, Kazuki Sasaki, Reiko Kamata, Yukari Hoshino, Kazuyoshi Yanagihara, Ryuichi Sakai. A novel RNA-binding protein, Ossa/C9orf10, regulates activity of Src kinases to protect cells from oxidative stress-induced apoptosis. *Molecular and Cellular Biology* 29:402-13, 2009
30. Tetsuo Ito, Noboru Maki, Osamu Hazeki, Kazuki Sasaki, Munenori Nekooki. Extracellular and transmembrane region of a podocalyxin-like protein 1 fragment identified from colon cancer cell lines. *Cell Biology International* 31:1518-24, 2007
31. Hideki Yamaguchi, Kazuki Sasaki (first author equal contribution), Yoshinori Satomi, Takuya Shimbara, Haruaki Kageyama, Mondal MS, Koji Toshinai, Yukari Date, Luis J. González, Seiji Shioda, Toshifumi Takao, Masamitsu Nakazato, Naoto Minamino. Peptidomic identification and biological validation of neuroendocrine regulatory peptide-1 and -2. *Journal of Biological Chemistry* 282:26354-60, 2007
32. Masamitsu Tanaka, Kazuki Sasaki, Reiko Kamata, Ryuichi Sakai. The C-terminus of ephrin-B1 regulates metalloproteinase secretion and invasion of cancer cells. *Journal of Cell Science* 120:2179-89, 2007
33. Tadaomi Naka, Etsuko Katsumata, Kazuki Sasaki, Naoto Minamino, Motoi Yoshioka, Yoshio Takei. Natriuretic peptides in cetaceans: identification, molecular characterization and changes in plasma concentration after landing. *Zoological Science* 24:577-87, 2007
34. Sayaka Nagata, Johji Kato, Kazuki Sasaki, Naoto Minamino, Tanenao Eto, Kazuo Kitamura. Isolation and identification of proangiotensin-12, a possible component of the renin-angiotensin system. *Biochemical and Biophysical Research Communications* 350:1026-31, 2006
35. Yuko Yamaguchi, Mineo Kurokawa, Yoichi Imai, Koji Izutsu, Takashi Asai, Motoshi Ichikawa, Go Yamamoto, Eriko Nitta, Tetsuya Yamagata, Kazuki Sasaki, Kinuko Mitani, Seishi Ogawa, Shigeru Chiba, Hisamaru Hirai. AML1 is functionally regulated through p300-mediated acetylation on specific lysine residues. *Journal of Biological Chemistry* 279:15630-8, 2004
36. Kazuki Sasaki*, Kae Sato, Yasuto Akiyama, Kazuyoshi Yanagihara, Masaaki Oka, Ken Yamaguchi. Peptidomics-based approach reveals the secretion of the 29-residue COOH-terminal fragment of the putative tumor suppressor protein DMBT1 from pancreatic adenocarcinoma cell lines. *Cancer Research* 62:4894-8, 2002
37. Yasuto Akiyama, Kouji Maruyama, Tohru Mochizuki, Kazuki Sasaki, Yoichi Takaue, Ken Yamaguchi. Identification of HLA-A24-restricted CTL epitope encoded by the matrix protein pp65 of human cytomegalovirus. *Immunology Letters* 83:21-30, 2002
38. Kouji Maruyama, Yasuto Akiyama, Jinyan Cheng, Noriko Nara-Ashizawa, Takashi Hojo, Kazuki Sasaki, Ken Yamaguchi. Hamster DEC-205, its primary structure, tissue and cellular distribution. *Cancer Letters* 181:223-32,

2002

39. Kae Sato, Kazuki Sasaki*, Ming-Sound Tsao, Ken Yamaguchi. Peptide differential display of serum-free conditioned medium from cancer cell lines. *Cancer Letters* 176:199-203, 2002
40. Takao Ohkubo, Yasuhiko Sugawara, Kazuki Sasaki, Kouji Maruyama, Naganari Ohkura, Masatoshi Makuuchi. Early induction of nerve growth factor-induced genes after liver Resection-reperfusion injury. *Journal of Hepatology* 36:210-7, 2002
41. Kae Sato, Kazuki Sasaki*, Yasuto Akiyama, Ken Yamaguchi. Mass spectrometric high-throughput analysis of serum-free conditioned medium from cancer cell lines. *Cancer Letters* 170:153-9, 2001
42. Kouji Maruyama, Toshihiko Tsukada, Munehiro Honda, Noriko Nara-Ashizawa, Kiyoteru Noguchi, Jinyan Cheng, Naganari Ohkura, Kazuki Sasaki, Ken Yamaguchi. Complementary DNA structure and genomic organization of *Drosophila* menin. *Molecular and Cellular Endocrinology* 168:135-40, 2000
43. Takao Ohkubo, Naganari Ohkura, Kouji Maruyama, Kazuki Sasaki, Koichi Nagasaki, Hiroaki Hanzawa, Toshihiko Tsukada, Ken Yamaguchi. Early induction of the orphan nuclear receptor NOR-1 during cell death of the human breast cancer cell line MCF-7. *Molecular and Cellular Endocrinology* 162:151-6, 2000
44. Koichi Nagasaki, Kazuki Sasaki, Nicolai Maass, Toshihiko Tsukada, Hiroaki Hanzawa, Ken Yamaguchi. Staurosporine enhances cAMP-induced expression of neural-specific gene VGF and tyrosine hydroxylase. *Neuroscience Letters* 267:177-80, 1999
45. Naganari Ohkura, Mikiko Ito, Toshihiko Tsukada, Kazuki Sasaki, Ken Yamaguchi, Keizaburo Miki. Alternative splicing generates isoforms of human neuron-derived orphan receptor-1 (NOR-1) mRNA. *Gene* 211:79-85, 1998
46. Kazuki Sasaki*, Kouji Maruyama, Eiji Nishimura, Toshihiko Tsukada, Ken Yamaguchi. Differentiation of cultured neuroblastoma induced by staurosporine and cyclic AMP: methods for assessing a neuronal phenotype. *Brain Research Brain Research Protocols* 1:399-405, 1997
47. Kouji Maruyama, Toshihiko Tsukada, Shuji Bandoh, Kazuki Sasaki, Naganari Ohkura, Ken Yamaguchi. Retinoic acids differentially regulate NOR-1 and its closely related orphan nuclear receptor genes in breast cancer cell line MCF-7. *Biochemical and Biophysical Research Communications* 231:417-20, 1997
48. Kouji Maruyama, Toshihiko Tsukada, Shuji Bandoh, Kazuki Sasaki, Naganari Ohkura, Ken Yamaguchi. Expression of the putative transcription factor NOR-1 in the nervous, the endocrine and the immune systems and the developing brain of the rat. *Neuroendocrinology* 65:2-8, 1997
49. Naganari Ohkura, Mikiko Ito, Toshihiko Tsukada, Kazuki Sasaki, Ken Yamaguchi, Keizaburo Miki. Structure, mapping and expression of a human NOR-1 gene, the third member of the Nur77/NGFI-B family. *Biochimica et Biophysica Acta* 1308:205-14, 1996
50. Kazuki Sasaki*, Toshihiko Tsukada, Kouji Maruyama, Ken Yamaguchi. Long-term regulation of synapsin I gene expression and neuronal morphology by cyclic AMP and low-dose staurosporine. *Molecular Brain Research* 40:157-60, 1996
51. Eiji Nishimura, Kazuki Sasaki*, Kouji Maruyama, Toshihiko Tsukada, Ken Yamaguchi. Decrease in neuron-Restrictive silencer factor (NRSF) mRNA levels during differentiation of cultured neuroblastoma cells. *Neuroscience Letters* 211:101-4, 1996
52. Naoko Kajimura, Hideaki Iseki, Rie Tanaka, Chiharu Ohue, Kotomi Otsubo, Motomichi Gyoutoku, Kazuki

- Sasaki, Yasuto Akiyama, Ken Yamaguchi. Toxohormones Responsible for cancer cachexia syndrome in nude mice bearing human cancer cell lines. *Cancer Chemotherapy and Pharmacology* 38 Suppl:S48-52, 1996,
53. Kazuki Sasaki*, Toshihiko Tsukada, Isamu Adachi, Ken Yamaguchi. Staurosporine potentiates cAMP-mediated promoter activity of the vasoactive intestinal polypeptide gene in rat pheochromocytoma PC12 cells. *Biochemical and Biophysical Research Communications* 214:1114-20, 1995
54. Kouji Maruyama, Toshihiko Tsukada, Shuji Bandoh, Kazuki Sasaki, Naganari Ohkura, Ken Yamaguchi. Expression of NOR-1 and its closely related members of the steroid/thyroid hormone receptor superfamily in human neuroblastoma cell lines. *Cancer Letters* 96:117-22, 1995
55. Kazuki Sasaki*, Isamu Adachi, Noboru Yanaiharu, Ken Yamaguchi. Neuronal cell differentiation of human neuroblastoma NB-OK-I cells by staurosporine plus pituitary adenylate cyclase-activating peptide-38. *Biomedical Research* 15:247-52, 1994

招待講演

1. 佐々木一樹：生理活性ペプチド探索のためのペプチドミクス 日本プロテオーム学会 2022年8月8日
2. 佐々木一樹：生理活性ペプチド探索への質量分析の応用- ペプチドミクス 薬学の未来を考える京都シンポジウム 京都大学薬学部 2013年10月5日
3. 佐々木一樹：ペプチドミクスによる生理活性ペプチドの探索—実際と実例 第15回関東ハートセミナー 2013年2月8日
4. 佐々木一樹：日本生化学会シンポジウム「ペプチドミクスのための質量分析」 2011年9月22日
5. 佐々木一樹：日本内分泌学会 内分泌代謝学サマーセミナー「質量分析を活用する分泌ペプチドーム解析」2010年7月9日
6. Kazuki Sasaki: Role of ETD in peptidomics. 7th Annual Conference of Electron Capture and Transfer Dissociation 2009年12月8日
7. 佐々木一樹、南野 直人：日本生化学シンポジウム「分泌顆粒内ペプチドの解析から明らかになる世界」 2009年10月23日
8. 佐々木一樹、南野 直人：日本心血管内分泌代謝学会シンポジウム 「ペプチドームからの新規生理活性ペプチド探索：NERPの発見」2007年11月17日
9. 佐々木一樹：日本キャピラリー電気泳動学会シンポジウム「生理活性ペプチド探索のためのペプチドミクス」2007年11月15日
10. 佐々木一樹：日本質量分析学会関西談話会「高分解能質量分析計によるペプチドミクス」2007年10月22日
11. 佐々木一樹、尾崎 司、南野 直人：日本薬学会シンポジウム「生理活性ペプチド探索を支援するペプ

チドミクス」2006年3月30日

12. 佐々木一樹：日本プロテオーム学会シンポジウム「ペプチド性腫瘍マーカー探索のためのペプチドミクス」2005年5月20日
13. 佐々木一樹：日本癌学会シンポジウム「質量分析計を用いる腫瘍マーカー探索」2001年9月28日