クラボウ HuMedia-KG2 関連製品　文献一覧

2018/8/17 更新

2018 年

1.Hypoxia down-regulates sFlt-1 (sVEGFR-1) expression in human microvascular endothelial cells by a mechanism involving mRNA alternative processing
Takayuki Ikeda, Li Sun, Naoki Tsuruoka, Yasuhito Ishigaki, Yasuo Yoshitomi, Yoshino Yoshitake, Hideto Yonekura
Biochem J. 2011 Jun 1; 436(Pt 2): 399-407. NEW

2.Low-dose ionizing radiation exposure represses the cell cycle and protein synthesis pathways in *in vitro* human primary keratinocytes and U937 cell lines
Kazumasa Sekihara, Kaori Saitoh, Haeun Yang, Haruki Kawashima, Saiko Kazuno, Mika Kikkawa, Hajime Arai, Takashi Miida, Nobuhiro Hayashi, Keisuke Sasai, Yoko Tabe
PLoS One. 2018; 13(6): e0199117 NEW

2017 年

1.Phospholipase C δ1 regulates p38 MAPK activity and skin barrier integrity
Kaori Kanemaru, Yoshikazu Nakamura, Kengo Totoki, Takatsugu Fukuyama, Madoka Shoji, Hisae Kaneko, Kanako Shiratori, Atsuko Yoneda, Takafumi Inoue, Yoichiro Iwakura, Kenji Kabashima, Kiyoko Fukami
Cell Death Differ. 2017 Jun; 24(6): 1079-1090. NEW

2.Antioxidant *Artemisia princeps* Extract Enhances the Expression of Filaggrin and Loricrin via the AHR/OVOL1 Pathway
Akiko Hirano, Masashi Goto, Tsukasa Mitsui, Akiko Hashimoto-Hachiya, Gaku Tsuji, Masutaka Furue
Int J Mol Sci. 2017 Sep; 18(9): 1948. NEW

3. Topical Application of Trisodium Ascorbyl 6-Palmitate 2-Phosphate Actively Supplies Ascorbate to Skin Cells in an Ascorbate Transporter-Independent Manner
Shuichi Shibuya, Ikuyo Sakaguchi, Shintaro Ito, Eiko Kato, Kenji Watanabe, Naotaka Izuo, Takahiko Shimizu
Nutrients. 2017 Jul; 9(7): 645. NEW

4. Postnatal changes and sexual dimorphism in collagen expression in mouse skin
Koji Y. Arai, Takuya Hara, Toyofumi Nagatsuka, Chikako Kudo, Sho Tsuchiya, Yoshihiro Nomura, Toshio Nishiyama
PLoS One. 2017; 12(5): e0177534. NEW

5.KIAA1199 is induced by inflammation and enhances malignant phenotype in pancreatic cancer
Shiro Kohi, Norihiro Sato, Atsuhiro Koga, Nobutaka Matayoshi, Keiji Hirata
Oncotarget. 2017 Mar 7; 8(10): 17156-17163. NEW

2016 年

1.A novel Nrf2 activator from microbial transformation inhibits radiation-induced dermatitis in mice
Yasuhiro Nakagami, Kayoko Masuda
J Radiat Res. 2016 Sep; 57(5): 567-571. NEW

2. mTOR inhibition by rapamycin increases ceramide synthesis by promoting transforming growth factor- β 1/Smad signaling in the skin
Takumi Yamane, Aimi Muramatsu, Sawako Yoshino, Sho Matsui, Mari Shimura, Yoshimasa Tsujii, Ken Iwatsuki, Kazuo Kobayashi-Hattori, Yuichi Oishi
FEBS Open Bio. 2016 Apr; 6(4): 317-325. NEW

3. The Establishment of an Assay to Measure DNA Polymerase-Catalyzed Repair of UVB-Induced DNA Damage in Skin Cells and Screening of DNA Polymerase Enhancers from Medicinal Plants
Sawako Ikeoka, Tatsuo Nakahara, Hiroyasu Iwahashi, Yoshiyuki Mizushina
Int J Mol Sci. 2016 May; 17(5): 667. NEW

4.Involvement of activation-induced cytidine deaminase in skin cancer development
Taichiro Nonaka, Yoshinobu Toda, Hiroshi Hiai, Munehiro Uemura, Motonobu Nakamura, Norio Yamamoto, Ryo Asato, Yukari Hattori, Kazuhisa Bessho, Nagahiro Minato, Kazuo Kinoshita
J Clin Invest. 2016 Apr 1; 126(4): 1367-1382. NEW

2015 年

1.Receptor for Hyaluronic Acid-Mediated Motility is Associated with Poor Survival in Pancreatic Ductal Adenocarcinoma
Xiao-Bo Cheng, Norihiro Sato, Shiro Kohi, Atsuhiro Koga, Keiji Hirata
J Cancer. 2015; 6(11): 1093-1098. NEW

2.Mechanical Stretch on Human Skin Equivalents Increases the Epidermal Thickness and Develops the Basement Membrane
Eijiro Tokuyama, Yusuke Nagai, Ken Takahashi, Yoshihiro Kimata, Keiji Naruse
PLoS One. 2015; 10(11): e0141989. NEW

3.The role of group IIF-secreted phospholipase A_2 in epidermal homeostasis and hyperplasia
Kei Yamamoto, Yoshimi Miki, Mariko Sato, Yoshitaka Taketomi, Yasumasa Nishito, Choji Taya, Kazuaki Muramatsu, Kazutaka Ikeda, Hiroki Nakanishi, Ryo Taguchi, Naotomo Kambe, Kenji Kabashima, Gérard Lambeau, Michael H. Gelb, Makoto Murakami
J Exp Med. 2015 Oct 19; 212(11): 1901-1919. NEW

2014 年

1. Regulation of serine protease inhibitor Kazal type-5 (SPINK5) gene expression in the keratinocytes.
Ngoc Anh Le, Midori Katsuyama, Masashi Demura, Hideji Tanii, Hironobu Katsuyama, and Kiyofumi Saijoh
(Department of Hygiene, Kanazawa University School of Medicine)
Environ Health Prev Med. Jul 2014; 19(4): 307-313.
製品 ： NHEK、HuMedia-KG2

2. Multiple pathways are involved in DNA degradation during keratinocyte terminal differentiation.
M Yamamoto-Tanaka, T Makino, A Motoyama, M Miyai, R Tsuboi, and T Hibino
(Shiseido Research Center)
Cell Death Dis. Apr 2014; 5(4): e1181.
製品 ： NHEK、HuMedia-KG2

3. Yokukansan, a Traditional Japanese Medicine, Adjusts Glutamate Signaling in Cultured Keratinocytes.
Maki Wakabayashi, Toshio Hasegawa, Takuji Yamaguchi, Naoko Funakushi, Hajime Suto, Rie Ueki, Hiroyuki Kobayashi, Hideoki Ogawa, and Shigaku Ikeda
(Department of Dermatology and Allergology, Juntendo University Graduate School of Medicine)
Biomed Res Int. 2014; 2014: 364092
製品 ： NHEK、HuMedia-KG2

4. Influence of surface topography on the human epithelial cell response to micropatterned substrates with convex and concave architectures Mee-Hae Kim, Yoshiko Sawada, Masahito Taya, Masahiro Kino-oka
J Biol Eng. 2014; 8: 13
Key Word: Infinity telomerase immortalized human epithelial cells (hTERT-HME1) NEW

5.Smad2 is Involved in *Aggregatibacter actinomycetemcomitans*-induced Apoptosis
T. Yoshimoto, T. Fujita, K. Ouhara, M. Kajiya, H. Imai, H. Shiba, H. Kurihara
J Dent Res. 2014 Nov; 93(11): 1148-1154. NEW

6. Mesotrypsin and Caspase-14 Participate in Prosaposin Processing: POTENTIAL RELEVANCE TO EPIDERMAL PERMEABILITY BARRIER FORMATION
Mami Yamamoto-Tanaka, Akira Motoyama, Masashi Miyai, Yukiko Matsunaga, Junko Matsuda, Ryoji Tsuboi, Toshihiko Hibino
J Biol Chem. 2014 Jul 18; 289(29): 20026-20038. NEW

2013 年

1. E-cadherin interactions are required for Langerhans cell differentiation
Nobuko Mayumi, Eri Watanabe, Yoshihiko Norose, Eiji Watari, Seiji Kawana, Teunis B H Geijtenbeek, and Hidemi Takahashi
(Department of Microbiology and Immunology, Nippon Medical School)
Eur J Immunol. 2013 January; 43(1): 270-280.
製品 ： NHEK、HuMedia-KG 増殖添加剤セット

2. Dermokine inhibits ELR(+)CXC chemokine expression and delays early skin wound healing.
Hasegawa M, Higashi K, Matsushita T, Hamaguchi Y, Saito K, Fujimoto M, Takehara K.
(Department of Dermatology, Faculty of Medicine, Institute of Medical, Pharmaceutical, and Health Sciences, Kanazawa University)
J Dermatol Sci. 2013 Apr;70(1):34-41
製品 ： NHEK、HuMedia-KG2

3. Cholesteatoma Fibroblasts Promote Epithelial Cell Proliferation through Overexpression of Epiregulin
Mamoru Yoshikawa, Hiromi Kojima, Yuichiro Yaguchi, Naoko Okada, Hirohisa Saito, and Hiroshi Moriyama
(Department of Otorhinolaryngology, Toho University School of Medicine)
PLoS One. 2013; 8(6): e66725.
製品 ： NHEK(AD)、HuMedia-KG2

4. Bullous Pemphigoid IgG Induces BP180 Internalization via a Macropinocytic Pathway
Sho Hiroyasu, Toshiyuki Ozawa, Hiromi Kobayashi, Masamitsu Ishii, Yumi Aoyama, Yasuo Kitajima, Takashi Hashimoto, Jonathan C.R. Jones, and Daisuke Tsurut
(Department of Dermatology, Osaka City University Graduate School of Medicine)
Am J Pathol. 2013 March; 182(3): 828-840.
製品 ： HuMedia-KG2

2012 年

1. S100A7 promotes the migration and invasion of osteosarcoma cells via the receptor for advanced glycation end products.
KEN KATAOKA, TOMOYUKI ONO, HITOSHI MURATA, MIKA MORISHITA, KEN-ICHI YAMAMOTO, MASAKIYO SAKAGUCHI, NAM-HO HUH
(Okayama University Graduate School of Medicine)
Oncol Lett. 2012 May; 3(5): 1149-1153
製品 ： NHEK、HuMedia-KB2

2. 4,8-Sphingadienine and 4-hydroxy-8-sphingenine activate ceramide production in the skin
Yoshiyuki Shirakura, Kanako Kikuchi, Kenji Matsumura, Katsuyuki Mukai, Susumu Mitsutake, and Yasuyuki Igarashi
(UNITIKA Ltd / Faculty of Advanced Life Science, Hokkaido University)
Lipids Health Dis. 2012; 11: 108.
製品 ： NHEK、HuMedia-KG2

3. Dermokine-β impairs ERK signaling through direct binding to GRP78.
Higashi K, Hasegawa M, Yokoyama C, Tachibana T, Mitsui S, Saito K.
(Environmental Health Science Laboratory, Sumitomo Chemical Co., Ltd.)
FEBS Letters 586 (2012) 2300-2305
製品 ： NHEK、HuMedia-KG2

4. Altered expression of dermokine in skin disorders
Hasegawa M, Higashi K, Yokoyama C, Yamamoto F, Tachibana T, Matsushita T, Hamaguchi Y, Saito K, Fujimoto M, Takehara K.
(Kanazawa University Graduate School of Medical Sciences / Sumitomo Chemical Co., Ltd. / Osaka City University)
J Eur Acad Dermatol Venereol. 2012 May 31. doi: 10.1111/j.1468-3083.2012.04598.x
製品 ： NHEK、HuMedia-KG2

5. Kallikrein-related Peptidase-7 Regulates Caspase-14 Maturation during Keratinocyte Terminal Differentiation by Generating an Intermediate Form.
Mami Yamamoto, Masashi Miyai, Yuuko Matsumoto, Ryoji Tsuboi, and Toshihiko Hibino
(Shiseido Research Center)
J Biol Chem. 2012 September 21; 287(39): 32825-32834.
製品 ： NHEK、HuMedia-KG2

2011 年

1. Sulfation of estradiol in human epidermal keratinocyte.
Kushida A, Hattori K, Yamaguchi N, Kobayashi T, Date A, Tamura H.
(Faculty of Pharmacy, Keio University)
Biol Pharm Bull. 2011;34(7):1147-51.
製品 ： NHEK、HuMedia-KG2

2. Direct binding of RalA to PKCη and its crucial role in morphological change during keratinocyte differentiation
Yasuhito Shirai, Shoko Morioka, Megumi Sakuma, Ken-ichi Yoshino, Chihiro Otsuji, Norio Sakai, Kaori Kashiwagi, Kazuhiro Chida, Ryutaro Shirakawa, Hisanori Horiuchi, Chikako Nishigori, Takehiko Ueyama, and Naoaki Saito
(Laboratory of Molecular Pharmacology, Biosignal Research Center, Kobe University)
Mol Biol Cell. 2011 April 15; 22(8): 1340-1352.
製品 ： NHEK、HuMedia-KG2

3. Herpes simplex virus induces the marked up-regulation of the zinc finger transcriptional factor INSM1, which modulates the expression and localization of the immediate early protein ICP0
Maki Kamakura, Fumi Goshima, Chenhong Luo, Hiroshi Kimura, and Yukihiro Nishiyama1
(Department of Virology, Nagoya Graduate School of Medicine)
Virol J. 2011; 8: 257.
製品 ： NHEK、HuMedia-KG2

2010 年

1. Neprilysin Is Identical to Skin Fibroblast Elastase
Naoko Morisaki, Shigeru Moriwaki, Yoriko Sugiyama-Nakagiri, Keiichi Haketa, Yoshinori Takema, and Genji Imokawa
(Kao Biological Science Laboratories)
J Biol Chem. 2010 December 17; 285(51): 39819-39827.
製品 ： NHEK、HuMedia-KG 増殖添加剤セット

2009 年

1. Porphyromonas gingivalis Outer Membrane Vesicles Enter Human Epithelial Cells via an Endocytic Pathway and Are Sorted to Lysosomal Compartments
Nobumichi Furuta, Kayoko Tsuda, Hiroko Omori, Tamotsu Yoshimori, Fuminobu Yoshimura, and Atsuo Amano
(Department of Oral Frontier Biology, Osaka University Graduate School of Dentistry)

Infect Immun. 2009 October; 77(10): 4187-4196.
製品 ： HuMedia-KB2

2. Role of Plasmacytoid Dendritic Cells for Aberrant Class II Expression in Exocrine Glands from Estrogen-Deficient Mice of Healthy Background
Rieko Arakaki, Ai Nagaoka, Naozumi Ishimaru, Akiko Yamada, Satoko Yoshida, and Yoshio Hayashi
(The University of Tokushima Graduate School)
Am J Pathol. 2009 May; 174(5): 1715-1724.
製品 ： HuMedia-KB2

3. Entry of Porphyromonas gingivalis Outer Membrane Vesicles into Epithelial Cells Causes Cellular Functional Impairment
Nobumichi Furuta, Hiroki Takeuchi, and Atsuo Amano
(Department of Oral Frontier Biology, Osaka University Graduate School of Dentistry)
Infect Immun. 2009 November; 77(11): 4761-4770.
製品 ： HuMedia-KB2

2008 年

1. Ras Modifies Proliferation and Invasiveness of Cells Expressing Human Papillomavirus Oncoproteins
Satoshi Yoshida, Naoko Kajitani, Ayano Satsuka, Hiroyasu Nakamura, and Hiroyuki Sakai*
(Department of Viral Oncology, Institute for Virus Research, Kyoto University)
J Virol. 2008 September; 82(17): 8820-8827.
製品 ： NHEK、HuMedia-KG 増殖添加剤セット、NHDF

2007 年以前

1. Novel Role for RbAp48 in Tissue-Specific, Estrogen Deficiency-Dependent Apoptosis in the Exocrine Glands
Naozumi Ishimaru, Rieko Arakaki, Fumie Omotehara, Koichi Yamada, Kenji Mishima, Ichiro Saito, and Yoshio Hayashi1
(The University of Tokushima Graduate School / Tsurumi University School of Dentistry)
Mol Cell Biol. 2006 April; 26(8): 2924-2935.
製品 ： HuMedia-KG2

2. Ca2+ waves in keratinocytes are transmitted to sensory neurons: the involvement of extracellular ATP and P2Y2 receptor activation.
Schuichi Koizumi, Kayoko Fujishita, Kaori Inoue, Yukari Shigemoto-Mogami, Makoto Tsuda, and Kazuhide Inoue
(National Institute of Health Sciences / Shiseido Research Center / Kyushu University)
Biochem J. 2004 June 1; 380(Pt 2): 329-338.
製品 ： NHEK、HuMedia-KG2

3. Upregulation of P2Y2 receptors by retinoids in normal human epidermal keratinocytes.
Kayoko Fujishita, Schuichi Koizumi, and Kazuhide Inoue
(National Institute of Health Science / Kyusyu University)
Purinergic Signal. 2006 September; 2(3): 491-498.
製品 ： NHEK、HuMedia-KG2

4. Nitric oxide enhances substance P-induced itch-associated responses in mice
Tsugunobu Andoh1 and Yasushi Kuraishi1,*
(Faculty of Pharmaceutical Sciences, Toyama Medical and Pharmaceutical University)
Br J Pharmacol. 2003 January; 138(1): 202-208.
製品 ： NEHK、HuMedia-KG2

5. Vasohibin as an endothelium-derived negative feedback regulator of angiogenesis
Kazuhide Watanabe, Yasuhiro Hasegawa, Hiroshi Yamashita, Kazue Shimizu, Yuanying Ding, Mayumi Abe, Hideki Ohta, Keiichi Imagawa, Kanji Hojo, Hideo Maki, Hikaru Sonoda, and Yasufumi Sato
(Tohoku University / Shionogi & Co. Ltd.)
J Clin Invest. 2004 October 1; 114(7): 898-907.
製品 ： HUVEC、HAEC、HMVEC、HASMC、NHDF、NHEK、HuMedia-SG2、HuMedia-KG2

6. Relations Between Individual Cellular Motions and Proliferative Potentials in Successive Cultures of Human Keratinocytes
Norihiko Hata, Yuka Agatahama, Masahiro Kino-oka, and Masahito Taya
(Division of Chemical Engineering, Graduate School of Engineering Science, Osaka University)
Cytotechnology. 2005 January; 47(1-3): 127-131.
製品 ： NHEK、HuMedia-KG2

7. Bacterial Fimbriae and Their Peptides Activate Human Gingival Epithelial Cells through Toll-Like Receptor 2
Yasuyuki Asai, Yoshinori Ohyama, Keika Gen, and Tomohiko Ogawa
(Asahi University School of Dentistry)
Infect Immun. 2001 December; 69(12): 7387-7395.
製品 ： HuMedia-KG2

8. Oral Treponemes and Their Outer Membrane Extracts Activate Human Gingival Epithelial Cells through Toll-Like Receptor 2
Yasuyuki Asai, Takayoshi Jinno, and Tomohiko Ogawa
(Department of Oral Microbiology, Asahi University School of Dentistry)
Infect Immun. 2003 February; 71(2): 717-725.
製品 ： HuMedia-KG2

9. Antiherpesvirus Activities of (1′ S,2′ R)-9-{[1′ ,2′ -Bis(hydroxymethyl)cycloprop-1′ -yl]methyl}guanine (A-5021) in Cell Culture
Satoshi Iwayama, Nobukazu Ono, Yuko Ohmura, Katsuya Suzuki, Miho Aoki, Harumi Nakazawa, Miki Oikawa, Tamamo Kato, Masahiko Okunishi, Yukihiro Nishiyama, and Koichi Yamanishi
(Ajinomoto Co. / Nagoya University School of Medicine / Osaka University Medical School)
Antimicrob Agents Chemother. 1998 July; 42(7): 1666-1670.
製品 ： NHEK、HuMedia-KG2

10. Toxic Epidermal Necrolysis and Stevens-Johnson Syndrome Are Induced by Soluble Fas Ligand
Riichiro Abe, Tadamichi Shimizu, Akihiko Shibaki, Hideki Nakamura, Hirokazu Watanabe, and Hiroshi Shimizu
(Department of Dermatology, Hokkaido University Graduate School of Medicine)
Am J Pathol. 2003 May; 162(5): 1515-1520.
製品 ： NHEK

11. Identification of novel keratinocyte-secreted peptides dermokine-alpha/-beta and a new stratified epithelium-secreted protein gene complex on human chromosome 19q13.1.
Matsui T, Hayashi-Kisumi F, Kinoshita Y, Katahira S, Morita K, Miyachi Y, Ono Y, Imai T, Tanigawa Y, Komiya T, Tsukita S.
(KAN Research Institute, Inc)
Genomics. 2004 Aug;84(2):384-97.
製品 ： NHEK、Humedia-KG2

12. Protection of human keratinocytes from UVB-induced inflammation using root extract of Lithospermum erythrorhizon.
Ishida T, Sakaguchi I.
(Institute of Cosmetic Sciences, Club Cosmetics Co Ltd,)
Biol Pharm Bull. 2007 May;30(5):928-34.
製品 ： NHEK、Humedia-KG2

13. Bacterial Fimbriae and Their Peptides Activate Human Gingival Epithelial Cells through Toll-Like Receptor 2

Yasuyuki Asai, Yoshinori Ohyama, Keika Gen, Tomohiko Ogawa

Infect Immun. 2001 Dec; 69(12): 7387-7395

Key Word: human gingival epithelial cells, *P. gingivalis* fimbriae

倉敷紡績株式会社　環境メカトロニクス事業部　バイオメディカル部

大阪

〒572-0823　大阪府寝屋川市下木田町 14-5
クラボウ寝屋川テクノセンター3F

TEL.072-820-3079　FAX.072-820-3095

URL; http://www.kurabo.co.jp/bio/

東京

〒103-0023　東京都中央区日本橋本町 2-7-1
野村不動産日本橋本町ﾋﾞﾙ 2F

TEL.03-3639-7077　FAX.03-3639-6998