研究用

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Afamin/Wnt3a CMの使用文献リスト

臓器		文献情報
腸	正常組織	**Human** ● Mihara E *et al*. Active and water-soluble form of lipidated Wnt protein is maintained by a serum glycoprotein afamin/α-albumin, Elife. **5** (2016) [PMID: 26902720] ● Sugimoto S *et al*. Reconstruction of the Human Colon Epithelium In Vivo, Cell Stem Cell. **22** (2018) [PMID: 29290616] ● Sugimoto S, Fujii M, Sato T., Organoid Derivation and Orthotopic Xenotransplantation for Studying Human Intestinal Stem Cell Dynamics, Methods Mol Biol. **2171** (2020) [PMID: 32705652] ● Sasaki N *et al*. Development of a Scalable Coculture System for Gut Anaerobes and Human Colon Epithelium, Gastroenterology. **159** (2020) [PMID: 32199883] ● Zwiggelaar RT *et al*. LSD1 represses a neonatal/reparative gene program in adult intestinal epithelium, Sci Adv. **6** (2020) [PMID: 32917713] ● Fujii M *et al*. Human Intestinal Organoids Maintain Self-Renewal Capacity and Cellular Diversity in Niche-Inspired Culture Condition, Cell Stem Cell. **23** (2018) [PMID: 30526881] ● Nanki K *et al*. Somatic inflammatory gene mutations in human ulcerative colitis epithelium, Nature. **577** (2020) [PMID: 31853059] ● Schuster B *et al*. Automated microfluidic platform for dynamic and combinatorial drug screening of tumor organoids, Nat Commun. **11** (2020) [PMID: 33077832] ● Sugimoto S *et al*. An organoid-based organ-repurposing approach to treat short bowel syndrome, Nature. **592** (2021) [PMID: 33627870] ● De Oliveira T *et al*. Effects of the Novel PFKFB3 Inhibitor KAN0438757 on Colorectal Cancer Cells and Its Systemic Toxicity Evaluation In Vivo, Cancers (Basel). **13** (2021) [PMID: 33671096] ● Genshaft AS *et al*. Live cell tagging tracking and isolation for spatial transcriptomics using photoactivatable cell dyes, Nat Commun. **12** (2021) [PMID: 34404785] ● Yachida S *et al*. Comprehensive Genomic Profiling of Neuroendocrine Carcinomas of the Gastrointestinal System, Cancer Discov. **12** (2022) [PMID: 34880079] ● Toshimitsu K *et al*. Organoid screening reveals epigenetic vulnerabilities in human colorectal cancer, Nat Chem Biol. **18** (2022) [PMID: 35273398] ● Ishikawa K *et al*. Identification of Quiescent LGR5⁺ Stem Cells in the Human Colon, Gastroenterology. **163** (2022) [PMID: 35963362] **Mouse** ● Oshima H *et al*. Stat3 is indispensable for damage-induced crypt regeneration but not for Wnt-driven intestinal tumorigenesis, FASEB J. **33** (2019) [PMID: 30156908] ● Li Y *et al*. Identification of trypsin-degrading commensals in the large intestine, Nature. **609** (2022) [PMID: 36071157]
	腫瘍	**Human** ● Kawasaki K *et al*. Chromosome Engineering of Human Colon-Derived Organoids to Develop a Model of Traditional Serrated Adenoma, Gastroenterology. **158** (2020) [PMID: 31622618] ● Cho YW *et al*. Patient-derived organoids as a preclinical platform for precision medicine in colorectal cancer, Mol Oncol. **16** (2022) [PMID: 34850547] ● Toshimitsu K *et al*. Organoid screening reveals epigenetic vulnerabilities in human colorectal cancer, Nat Chem Biol. **18** (2022) [PMID: 35273398] **Mouse** ● Oshima H *et al*. Stat3 is indispensable for damage-induced crypt regeneration but not for Wnt-driven intestinal tumorigenesis, FASEB J. **33** (2019) [PMID: 30156908] ● Nishina T *et al*. Interleukin-11-expressing fibroblasts have a unique gene signature correlated with poor prognosis of colorectal cancer, Nat Commun. **12** (2021) [PMID: 33863879] ● Sui Y *et al*. LAT1 expression influences Paneth cell number and tumor development in ApcMin/+ mice, J Gastroenterol. **58** (2023) [PMID: 36739585]
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	腫瘍	**Human** ● Roe JS *et al*. Enhancer Reprogramming Promotes Pancreatic Cancer Metastasis, Cell. **170** (2017) [PMID: 28757253] ● Seino T *et al*. Human Pancreatic Tumor Organoids Reveal Loss of Stem Cell Niche Factor Dependence during Disease Progression, Cell Stem Cell. **22** (2018) [PMID: 29337182] ● Tiriac H *et al*. Successful creation of pancreatic cancer organoids by means of EUS-guided fine-needle biopsy sampling for personalized cancer treatment, Gastrointest Endosc. **87** (2018) [PMID: 29325707] ● Tiriac H *et al*. Organoid Profiling Identifies Common Responders to Chemotherapy in Pancreatic Cancer, Cancer Discov. **8** (2018) [PMID: 29853643] ● Somerville TDD *et al*. TP63-mediated enhancer reprogramming drives the squamous subtype of pancreatic ductal adenocarcinoma, Cell Rep. **25** (2018) [PMID: 30428345] ● Miyabayashi K *et al*. Intraductal Transplantation Models of Human Pancreatic Ductal Adenocarcinoma Reveal Progressive Transition of Molecular Subtypes, Cancer Discov. **10** (2020) [PMID: 32703770] ● Farshadi EA *et al*. Organoids Derived from Neoadjuvant FOLFIRINOX Patients Recapitulate Therapy Resistance in Pancreatic Ductal Adenocarcinoma, Clin Cancer Res. **27** (2021) [PMID: 34580113] ● Ikezawa K *et al*. Establishment of organoids using residual samples from saline flushes during endoscopic ultrasound-guided fine-needle aspiration in patients with pancreatic cancer, Endosc Int Open. **10** (2022) [PMID: 35036290] ● Nelson JK *et al*. USP25 promotes pathological HIF-1-driven metabolic reprogramming and is a potential therapeutic target in pancreatic cancer, Nat Commun. **13** (2022) [PMID: 35440539] ● Yamakawa K *et al*. Blockage of retinoic acid signaling via RARγ suppressed the proliferation of pancreatic cancer cells by arresting the cell cycle progression of the G1-S phase, Cancer Cell Int. **23** (2023) [PMID: 37198667]
唾液腺	正常組織	**Mouse** ● Kim D *et al*. 3D Organoid Culture From Adult Salivary Gland Tissues as an ex vivo Modeling of Salivary Gland Morphogenesis, Front Cell Dev Biol. **12** (2021) [PMID:34458260]
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肝臓	腫瘍	**Human** ● Wang Z *et al*. Conversion therapy of intrahepatic cholangiocarcinoma is associated with improved prognosis and verified by a case of patient-derived organoid, Cancers (Basel). **13** (2021) [PMID: 33803322]
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胃腸膵臓神経内分泌腫瘍 (GEP-NEN)		**Human** ● Kawasaki K *et al*. An Organoid Biobank of Neuroendocrine Neoplasms Enables Genotype-Phenotype Mapping, Cell. **183** (2020) [PMID: 33159857]

・上記の表には自家製Afamin/Wnt3a CMを使用している文献も含まれており、文献中のAfamin/Wnt3a CM使用濃度は当社推奨濃度とは異なる場合がございます。

Afamin/Wnt3a CM

for Organoid culture

無血清

安定化 Wnt3a

高品質

製品仕様

Code No.	品名	主要成分	包装形態	溶媒
J2-001	Afamin/Wnt3a CM	Mouse Wnt3a Human Afamin	10 mL	Advanced D-MEM/F-12

関連製品:Recombinant Afamin/Wnt3a

Recombinant Afamin/Wnt3aは、Afamin/Wnt3a複合体の精製品です。

Code No.	品名	主要成分	包装形態	溶媒
J2-002	Recombinant Afamin/Wnt3a	Mouse Wnt3a Human Afamin	60 μg/300 μL	20 mM Tris-HCl (pH 7.4), 150 mM NaCl

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