Novel bone morphogenetic protein signaling through Saprogression and development

FASEB Journal

28, 1248-1267

DOI: 10.1096/fj.13-239178

Citation Report

#	Article	IF	CITATIONS
1	Brightfield Proximity Ligation Assay Reveals Both Canonical and Mixed Transforming Growth Factor-Î ² /Bone Morphogenetic Protein Smad Signaling Complexes in Tissue Sections. Journal of Histochemistry and Cytochemistry, 2014, 62, 846-863.	1.3	16
2	Regulation of FSH $\hat{1}^2$ induction in L $\hat{1}^2$ T2 cells by BMP2 and an Activin A/BMP2 chimera, AB215. Journal of Endocrinology, 2014, 223, 35-45.	1.2	4
3	The Balance of Cell Surface and Soluble Type III TGF- \hat{l}^2 Receptor Regulates BMP Signaling in Normal and Cancerous Mammary Epithelial Cells. Neoplasia, 2014, 16, 489-500.	2.3	22
4	Bone Morphogenetic Protein 2 Stimulates Noncanonical SMAD2/3 Signaling via the BMP Type 1A Receptor in Gonadotrope-Like Cells: Implications for FSH Synthesis. Endocrinology, 2014, 155, 1970-1981.	1.4	37
5	A consensus statement regarding the utilization of BMP in spine surgery. Current Reviews in Musculoskeletal Medicine, 2014, 7, 208-219.	1.3	27
6	The role of bone morphogenetic proteins in myeloma cell survival. Cytokine and Growth Factor Reviews, 2014, 25, 343-350.	3.2	20
7	Epigenetic Regulation of GDF2 Suppresses Anoikis in Ovarian and Breast Epithelia. Neoplasia, 2015, 17, 826-838.	2.3	20
8	Enamel matrix proteins exhibit growth factor activity: A review of evidence at the cellular and molecular levels. Experimental and Therapeutic Medicine, 2015, 9, 2025-2033.	0.8	14
9	HOXA13 is a potential GBM diagnostic marker and promotes glioma invasion by activating the Wnt and TGF- \hat{l}^2 pathways. Oncotarget, 2015, 6, 27778-27793.	0.8	84
10	Osteogenesis on nanoparticulate mineralized collagen scaffolds via autogenous activation of the canonical BMP receptor signaling pathway. Biomaterials, 2015, 50, 107-114.	5.7	73
11	BMP signalling: agony and antagony in the family. Trends in Cell Biology, 2015, 25, 249-264.	3.6	261
12	Smad2 and Smad3 have differential sensitivity in relaying TGFÎ ² signaling and inversely regulate early lineage specification. Scientific Reports, 2016, 6, 21602.	1.6	78
13	TGF-Î ² Superfamily Signaling. , 2016, , 37-50.		12
14	Differential activation of noncanonical SMAD2/SMAD3 signaling by bone morphogenetic proteins causes disproportionate induction of hyaluronan production in immortalized human granulosa cells. Molecular and Cellular Endocrinology, 2016, 428, 17-27.	1.6	19
15	Mechanisms of action of bone morphogenetic proteins in cancer. Cytokine and Growth Factor Reviews, 2016, 27, 81-92.	3.2	78
16	The synergistic induction of bone formation by the osteogenic proteins of the TGF- \hat{l}^2 supergene family. Biomaterials, 2016, 104, 279-296.	5.7	20
17	The ACVR1 R206H mutation found in fibrodysplasia ossificans progressiva increases human induced pluripotent stem cell-derived endothelial cell formation and collagen production through BMP-mediated SMAD1/5/8 signaling. Stem Cell Research and Therapy, 2016, 7, 115.	2.4	57
18	Anti-MÃ $^1\!\!/\!$ llerian Hormone Signaling Regulates Epithelial Plasticity and Chemoresistance in Lung Cancer. Cell Reports, 2016, 16, 657-671.	2.9	47

#	ARTICLE	IF	Citations
19	Oocyte–somatic cell interactions in the human ovary—novel role of bone morphogenetic proteins and growth differentiation factors. Human Reproduction Update, 2016, 23, 1-18.	5.2	212
20	Identification of bone morphogenetic protein 9 (BMP9) as a novel profibrotic factor in vitro. Cellular Signalling, 2016, 28, 1252-1261.	1.7	21
21	Activin B Induces Noncanonical SMAD1/5/8 Signaling via BMP Type I Receptors in Hepatocytes: Evidence for a Role in Hepcidin Induction by Inflammation in Male Mice. Endocrinology, 2016, 157, 1146-1162.	1.4	99
22	BMP8A sustains spermatogenesis by activating both SMAD1/5/8 and SMAD2/3 in spermatogonia. Science Signaling, 2017, 10 , .	1.6	39
23	Combinatorial Discovery of Defined Substrates That Promote a Stem Cell State in Malignant Melanoma. ACS Central Science, 2017, 3, 381-393.	5. 3	11
24	All-trans retinoic acid restored the osteogenic ability of BMP9 in osteosarcoma through the p38 MAPK pathway. International Journal of Oncology, 2017, 50, 1363-1371.	1.4	2
25	Bone morphogenetic protein 9 (BMP9) and BMP10 enhance tumor necrosis factor-α-induced monocyte recruitment to the vascular endothelium mainly via activin receptor-like kinase 2. Journal of Biological Chemistry, 2017, 292, 13714-13726.	1.6	42
26	Transforming growth factor- \hat{l}^2 stimulates Smad1/5 signaling in pulmonary artery smooth muscle cells and fibroblasts of the newborn mouse through ALK1. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L615-L627.	1.3	28
27	Bone Morphogenetic Protein-9 Enhances Osteogenic Differentiation of Human Periodontal Ligament Stem Cells via the JNK Pathway. PLoS ONE, 2017, 12, e0169123.	1.1	22
28	Bone morphogenetic protein 2 promotes human trophoblast cell invasion by upregulating N-cadherin via non-canonical SMAD2/3 signaling. Cell Death and Disease, 2018, 9, 174.	2.7	44
29	Dehydrodiconiferyl alcohol promotes BMP-2-induced osteoblastogenesis through its agonistic effects on estrogen receptor. Biochemical and Biophysical Research Communications, 2018, 495, 2242-2248.	1.0	19
30	Smad4-TGF-Î ² Signaling Pathways in Pancreatic Cancer Pathogenesis. , 2018, , 431-455.		2
31	Transcription factorsâ€"Intricate players of the bone morphogenetic protein signaling pathway. Genes Chromosomes and Cancer, 2018, 57, 3-11.	1.5	8
32	Mediator kinase CDK8/CDK19 drives YAP1-dependent BMP4-induced EMT in cancer. Oncogene, 2018, 37, 4792-4808.	2.6	49
33	Morphogenesis of Canine Chiari Malformation and Secondary Syringomyelia: Disorders of Cerebrospinal Fluid Circulation. Frontiers in Veterinary Science, 2018, 5, 171.	0.9	30
34	Bone Morphogenetic Protein 2 Promotes Human Trophoblast Cell Invasion by Inducing Activin A Production. Endocrinology, 2018, 159, 2815-2825.	1.4	41
35	BMP Signalling at the Crossroad of Liver Fibrosis and Regeneration. International Journal of Molecular Sciences, 2018, 19, 39.	1.8	48
37	Bone morphogenetic protein signaling in breast cancer progression. Growth Factors, 2019, 37, 12-28.	0.5	11

3

#	Article	IF	CITATIONS
38	The Interactivity between $TGF\hat{l}^2$ and BMP Signaling in Organogenesis, Fibrosis, and Cancer. Cells, 2019, 8, 1130.	1.8	94
39	Elevated BMP and Mechanical Signaling Through YAP1/RhoA Poises FOP Mesenchymal Progenitors for Osteogenesis. Journal of Bone and Mineral Research, 2019, 34, 1894-1909.	3.1	29
40	A BMP/activin A chimera is superior to native BMPs and induces bone repair in nonhuman primates when delivered in a composite matrix. Science Translational Medicine, 2019, 11, .	5.8	47
41	Transforming growth factor–β (TGF-β)–induced up-regulation of TGF-β receptors at the cell surface amplifies the TGF-β response. Journal of Biological Chemistry, 2019, 294, 8490-8504.	1.6	51
42	<i>SMAD3</i> silencing enhances DNA damage in radiation therapy by interacting with <i>MRE11</i> - <i>RAD50</i> - <i>NBS1</i> complex in glioma. Journal of Biochemistry, 2019, 165, 317-322.	0.9	6
43	Dynamic mechanical loading and growth factors influence chondrogenesis of induced pluripotent mesenchymal progenitor cells in a cartilage-mimetic hydrogel. Biomaterials Science, 2019, 7, 5388-5403.	2.6	24
44	Cell-Cell Interactions in Ovarian Follicles: Role of TGF-Î ² Superfamily Members. , 2019, , 107-125.		11
45	The Small GTPase RAC1B: A Potent Negative Regulator of-and Useful Tool to Study-TGFÎ ² Signaling. Cancers, 2020, 12, 3475.	1.7	10
46	Bone Morphogenetic Protein-2 in Development and Bone Homeostasis. Journal of Developmental Biology, 2020, 8, 19.	0.9	134
47	BMP-SMAD1/5 Signaling Regulates Retinal Vascular Development. Biomolecules, 2020, 10, 488.	1.8	24
48	A pan-cancer atlas of somatic mutations in miRNA biogenesis genes. Nucleic Acids Research, 2021, 49, 601-620.	6.5	26
49	Osteoinductive effect of soluble transforming growth factor beta receptor 3 on human osteoblast lineage. Journal of Cellular Biochemistry, 2021, 122, 538-548.	1.2	1
51	$TGF\hat{l}^2$ signaling networks in ovarian cancer progression and plasticity. Clinical and Experimental Metastasis, 2021, 38, 139-161.	1.7	31
52	Molecular mediators of breast cancer metastasis. Hematology/ Oncology and Stem Cell Therapy, 2021, 14, 275-289.	0.6	12
53	Autophagy and Cancer Dormancy. Frontiers in Oncology, 2021, 11, 627023.	1.3	41
54	High-throughput measurements of bone morphogenetic protein/bone morphogenetic protein receptor interactions using biolayer interferometry. Biointerphases, 2021, 16, 031001.	0.6	5
55	Divergence in chondrogenic potential between in vitro and in vivo of adipose- and synovial-stem cells from mouse and human. Stem Cell Research and Therapy, 2021, 12, 405.	2.4	2
56	Bone morphogenetic protein 2 upregulates SERPINE2 expression through noncanonical SMAD2/3 and p38 MAPK signaling pathways in human granulosaâ€lutein cells. FASEB Journal, 2021, 35, e21845.	0.2	12

#	Article	IF	CITATIONS
58	BMP-7 induces apoptosis in human germinal center B cells and is influenced by TGF- \hat{l}^2 receptor type I ALK5. PLoS ONE, 2017, 12, e0177188.	1.1	23
59	c-Abl inhibits breast cancer tumorigenesis through reactivation of p53-mediated p21 expression. Oncotarget, 2016, 7, 72777-72794.	0.8	17
60	BMP signaling and its paradoxical effects in tumorigenesis and dissemination. Oncotarget, 2016, 7, 78206-78218.	0.8	70
61	Ring finger protein 125, as a potential highly aggressive and unfavorable prognostic biomarker, promotes the invasion and metastasis of human gallbladder cancers <i>via</i> activating the TGF- \hat{i}^2 1-SMAD3-ID1 signaling pathway. Oncotarget, 2017, 8, 49897-49914.	0.8	10
62	NKL homeobox gene MSX1 acts like a tumor suppressor in NK-cell leukemia. Oncotarget, 2017, 8, 66815-66832.	0.8	15
63	Endothelial TGF- \hat{l}^2 signaling instructs smooth muscle cell development in the cardiac outflow tract. ELife, 2020, 9, .	2.8	18
64	Smad4-TGF-Î ² Signaling Pathways in Pancreatic Cancer Pathogenesis. , 2017, , 1-25.		0
65	Transforming Growth Factor Beta (TGF- \hat{l}^2) Signaling in Head and Neck Squamous Cell Carcinoma (HNSCC). Current Cancer Research, 2018, , 89-115.	0.2	0
67	Signaling by TGF-betas in tubule cultures of adult rat testis. American Journal of Translational Research (discontinued), 2017, 9, 1173-1182.	0.0	1
68	Differential bioactivity of four BMP-family members as function of biomaterial stiffness. Biomaterials, 2022, 281, 121363.	5.7	16
69	Overexpression of bone morphogenetic protein receptor type 2 suppresses transforming growth factor β-induced profibrotic responses in lung fibroblasts. Experimental Lung Research, 2022, 48, 35-51.	0.5	1
71	Competition between type I activin and BMP receptors for binding to ACVR2A regulates signaling to distinct Smad pathways. BMC Biology, 2022, 20, 50.	1.7	10
73	BMP2 suppresses the production of pentraxin 3 in human endometrial stromal and decidual stromal cells. FASEB Journal, 2022, 36, e22319.	0.2	5
74	Bone morphogenetic protein 13 in hepatic stellate cells and hepatic fibrosis. Journal of Cellular Biochemistry, 2022, , .	1.2	1
75	The context-dependent, combinatorial logic of BMP signaling. Cell Systems, 2022, 13, 388-407.e10.	2.9	38
76	BMP signaling in the intestinal epithelium drives a critical feedback loop to restrain IL-13–driven tuft cell hyperplasia. Science Immunology, 2022, 7, eabl6543.	5.6	24
77	Reciprocal SOX2 regulation by SMAD1-SMAD3 is critical for anoikis resistance and metastasis in cancer. Cell Reports, 2022, 40, 111066.	2.9	16
78	Retinoids Promote Mouse Bone Marrow-Derived Macrophage Differentiation and Efferocytosis via Upregulating Bone Morphogenetic Protein-2 and Smad3. Cells, 2022, 11, 2928.	1.8	5

Article IF Citations