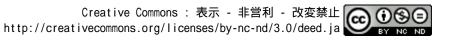
## 哺乳動物のストレス応答MAPキナーゼ経路における 足場タンパク質の解析

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著者別表示	Yoshioka Katsuji
雑誌名	平成18(2006)年度 科学研究費補助金 特定領域研究
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## 2006 Fiscal Year Final Research Report Summary

## Functional analysis of scaffold proteins for mammalian stress-responsive MAP kinase signaling pathways

Research Project

Project/Area Number	14086205
Research Category	Grant-in-Aid for Scientific Research on Priority Areas
Allocation Type	Single-year Grants
Review Section	Biological Sciences
Research Institution	Kanazawa University
Principal Investigator	YOSHIOKA Katsuji Kanazawa University, Cancer Research Institute, Professor (60200937)
Co-Investigator(Kenkyū- buntansha)	ITO Michihiko Kitasato University, School of Science, Associate Professor (90240994)
Project Period (FY)	2002 – 2006
Keywords	cadherin / cerebellum / deveropment and differentiation / genetically engineered mice / JNK / MAP kinase / scaffold protein / signal transduction
Research Abstract	Scaffold proteins of the mammalian MAP kinase (MAPK) cascades are considered having critical roles in spatio-temporal regulation of MAPK pathways by organizing their signaling components into functional modules. We are particularly interested in the functions of these scaffold

## Research Products (40 results)

	All	2007	2006	2005	2004	2003	2002	
					All	Journal	Article	
[Journal Article] Regulation of N-cadherin-based cell-cell interaction by JSAP1 scaffold in PC12h cells.				2007 ~				
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[Journal Article] 2-methoxyestradiol, an endogenous mammalian metabolite. radiosensitizes colon carcinoma cells through c-Jun NH2-tenninal kinase activation.						2006 ~		
[Journal Article] c-jun N-terminal kinase hyperphosphorylates R406W tau at the PHF-1 site during mitosis.						2006 ~		
[Journal Article] Expression and distribution of JNK/SAPK-associated scaffold protein JSAP1 in developing and adult mouse brain.						2006 ~		
[Journal Article] Selective expression of the scaffold protein JSAP1 in spermatogonia and spermatocytes.						2006 ~		
[Journal Article] 2-methoxyestradiol, an endogenous mammalian metabolite, radiosensitizes colon carcinoma cells through c-Jun NH2-terminal kinase activation.						2006 ~		
[Journal Article] c-jun N-terminal kinase hyperphosphorylates R406W tau at the PHF-1 site during mitosis.				2006 ~				
[Journal Article] Expression and distribution of JNK/SAPK-associated scaffold protein JSAP1 in developing and adult mouse brain.					2006 ~			
[Journal Article] Selective expression of the scaffold protein JSAP1 in spermatogonia and spermatocytes.						20	06 ~	
[Journal Article] Identification and characterization of mouse PSF1-binding protein, SLD5.						20	06 ~	
[Journal Article] Convergence of cell cycle regulation and growth factor signals onGRASP65.					2005 ~			
[Journal Article] JSAP1/JIP3 cooperates with FAK to regulate c-Jun N-terminal kinase and cell migration.					2005 ~			
[Journal Article] Impairment of cardiomyogenesis in embryonic stem cells lacking scaffold protein JSAP1.						2005 ~		
[Journal Article] Convergence of cell cycle regulation and growth factor signals on GRASP65.						20	05 ~	

[Journal Article] JSAP1/JIP3 cooperates with FAK to regulate c-Jun N-terminal kinase and cell migration.	2005 ~
[Journal Article] Impairment of cardiomyogenesis in embryonic stem cells lacking scaffold protein JSAP1.	2005 ~
[Journal Article] Activation mechanism of c-Jun amino-terminal kinase in the course of neural differentiation of P19 embryonic carcinoma cells.	2004 ~
[Journal Article] Critical roles of c-Jun signaling in regulation of NFAT family and RANKL-regulated osteoclast differentiation.	2004 ~
[Journal Article] Scaffold protein JSAP1 is transported to growth cones of neuritis independent of JNK signaling pathways in PC12h cells.	2004 ~
[Journal Article] Membrane type 1 matrix metalloproteinase regulates collagen-dependent mitogen-activated protein/extracellular signal-regulated kinase activation and cell migration.	2004 ~
[Journal Article] JNK promotes Bax translocation to mitochondria through phosphorylation of 14-3-3 proteins.	2004 ~
[Journal Article] Scaffold proteins in mammalian MAP kinase cascades.	2004 ~
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[Journal Article] Scaffold proteins in mammalian MAP kinase cascades.	2004 ~
[Journal Article] Caspase-mediated cleavage of JN during stress-induced apoptosis.	2003 ~
[Journal Article] Scaffold proteins of the cJun-NH2-terminal kinase (JNK)signaling pathways in neuronal cells.	2003 ~
[Journal Article] In vitro development of mouse embryonic stem cells lacking JNK/stress-activated protein kinase-associated protein (JSAP1)scaffold protein revealed its requirement durin embryonic neurogenesis.	ng early ¥ 2003
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[Journal Article] Phosphorylation-dependent scaffolding role of JSAP1/JIP3 in the ASK1-JNK signaling pathway : A new mode of regulation of the MAP kinase cascade.	2002 ~
[Journal Article] Aberrant tau phosphorylation by glycogen synthase kinase-3β and JNK3 induces oligomeric tau fibrils in COS-7 cells.	2002 ~
[Journal Article] A scaffold protein in the c-Jun N-terminal kinase signaling pathway is associated with focal adhesion kinase and tyrosine-phosphorylated.	2002 ~
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