

특별한 뇌과학 제3강 용어모음

2017-9-26

분류(단어)	약어	용어풀이	용어풀이 또는 뜻(한글)	뜻(한글)
	ADP	adenosine diphosphate		
	AKT(=PKB)	serine/threonine kinase		
	ATP	adenosine triphosphate		
	A β	amyloid β		
	BDNF	brain-derived neurotropic factor		
	C/EBP	CCAT(cytosine-cytosine adenosine-adenosine thymidine) enhancer binding proteins		
	CaMK II	Ca ²⁺ + -calmodulin-dependent protein kinase II	칼슘-칼모듈린 의존성 단백질 키나아제 II	
	CaMK IV	Ca ²⁺ + -calmodulin-dependent protein kinase IV	칼슘-칼모듈린 의존성 단백질 키나아제 IV	
	CaMKK	Ca ²⁺ + -calmodulin-dependent protein kinase kinase	칼슘-칼모듈린 의존성 단백질 키나아제 키나아제	
	cAMP	cyclic adenosine monophosphate	고리 AMP	
	CICR	calcium induced calcium release		
	cognitive decline		인지력 쇠퇴	
	CRE	cyclic response element		
	CREB kinase	cyclic response element binding kinase		
	DAG	diacylglycerol	단백질 아님	
	DNA	deoxyribonucleic acid		
	EAAT	excitatory amino acid transporter		
	F-actin	filamentous actin	F-액틴	
	fibroblast		섬유모세포, 결합조직형성세포	

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	Fodrin	isoform of spectrin found in brain	포드린	
	FRS-2	fibroblast growth factor receptor substrate 2		
	GSK-3 β	glycogen synthase kinase 3 β		
	GAB1	GRB2-associated-binding protein 1		
	GF	growth factor		
	glia cell		성상세포	
	GMC	giant molecular cloud		
	Gq	g-protein q		
	GRIP	glutamate receptor-interacting protein I	scaffold protein 중 하나	
	IEG	immediately expressed gene		
	IGF-1	insulin-like growth factor 1		
	IP3	inositol 1,4,5 three phosphate		
	IP3R	inositol triphosphate receptor	이노시톨삼인산 수용체	
	IRS	IR substrate		
	JNK	c-Jun N-terminal kinases		
	MAPK(=ERK)	mitogen activated protein kinase	유사분열 촉진단백질 키나아제	
	MAPKAPK1	MAP kinase-activated protein kinase 2		
	MEK	serine/tyrosine/threonine kinase		
	mGluR	metabotropic glutamate receptors	대사성 글루탐산 수용체	
	mGluRV5	metabotropic glutamate receptor 5		
	MSK1	mitogen and stress activated protein kinase -1		
	NT	neuro transmitter		

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	P108	protein 108 K(Dalton)		
	P38	protein 38 K(Dalton)=수소원자 38000개		
	P70S6K	protein 70 S6 kinase		
	phosphorylation		인산화	
	PI	phosphatidylinositol		
	PI3K	phosphoinositide 3-kinase		
	PI4K	phosphoinositide 4-kinase		
	PI5K=PIP2	phosphoinositide 5-kinase		
	PICK 1	Protein Interacting with C Kinase I	scaffold protein 중 하나	
	PIP2	phosphatidyl inositol, 4,5 biphosphate		
	PKA	protein kinase A	단백질키나제 A	
	PLC	phospholipase C	인지질가수분해효소 C	
	PLC β	phospholipase C β	인지질가수분해효소 C β	
	PLC γ	phospholipase C γ	인지질가수분해효소 C γ	
	POLII	(RNA) polymerase II	(RNA) 중합효소 II	
	PSD-95	postsynaptic density protein 95	scaffold protein 중 하나	
	Raf	rapidly accelerated fibrosarcoma		
	Ras	family of proteins belong to a class of small GTPase		
	RhoA	Ras homolog gene family, member A		
	RyR	ryanodine receptor		
	SAP97	synapse-associated protein 97		

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	SAPK	stree activated protein kinase		
	SER	smooth endoplasmic reticulum	활면 소포체	
	SERCA	sarco/endoplasmic reticulum Ca^{2+} - ATPase		
	SHC	Src homology 2 domain-containing		
	SOS	son of sevenless		
	spectrin		scaffold protein 중 하나	
	synaptic dysfunction		시냅스 기능장애	
	TP	triose phosphate		
	TAU	tau protein	미세소관(microtubule)을 안정화시켜주는 단백질	
	vesicle		소포체	
	VGCC	voltage gated calcium channel		
eukaryote(진핵세포)	fungi(균류)	MASC	MAGUK associated signaling complex	
		calmodulin	세포내에 존재하는, 칼슘 결합성 단백질	칼모듈린
		calcinerin=PP2B(protein phosphatase 2B)		
		PMCA	plasma membrane Ca^{2+} ATPase	
		PKC	protein kinase C	단백질кина제 C
		NF-1	neurofibromin 1	

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single cell	choanoflagellate(동정편모충류, 깃편모충류 - 단편모 편모충류의 하나)	cadherin	calcium-dependent adhesion	transmembrane proteins
		ephrin	ephrin ligands/Eph family receptor interacting proteins	
		MAGUK	membrane-associated guanylate kinase	
		PDZ	PSD95 + Dlg1 + Zo-1	PSD95:post synaptic density protein95, Dlg1:Drosophila disc large tumor suppressor Zo-1:sonula occuludens-1 protein
		RTK	receptor tyrosine kinase	
		spectrin	membrane associated dimeric protein	
		shank	SH3 and multiple ankyrin repeat domains protein	
		GABAR	GABA receptor	
		mGluR	metabotropic glutamate receptors	대사성 글루탐산 수용체
		synGAP	synaptic Ras GTPase-activating Protein	
		s-scam	Synaptic scaffolding molecule	scaffold protein
		GRIP	glutamate receptor-interacting protein I	scaffold protein

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metazoan	poriferan(해면동물)	GKAP	guanylate kinase associated protein	
		Cript	cysteine-rich PDZ-binding protein	
		Nos	nitric oxide synthase	산화질소합성효소
		Musk	muscle-specific kinase	
		Homer		scaffold protein
		ankyrin	a family of adaptor proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane cytoskeleton.	
eumetazoan	cnidarian(자포동물)	NMDAR	N methyl-D-aspartate receptor	NMDA 수용체
		AMPA	α -amino-3 hydroxy-5-methyl-4-isoxazolepropionic acid receptor	AMPA 수용체
		kainate R	kainate receptor	
		K ⁺ -CH	potassium channel	
		CASK	calcium/calmodulin-dependent serine protein kinase III	scaffold protein
		erbin	a family of proteins	
		neuroligin	type I membrane protein	
bilaterian(좌우대칭동물)	protostome(선구동물)	stargazin		
		LIMK	LIM domain kinase 1	
lophotrychozoan(촉수달린동물)				
ecdysozoan(탈피동물)				
deuterostome(후구동물)				
vertebrate(척추동물)				