

## 제 9회 특별한 뇌과학 제5강 용어정리

박문호의 자연과학 세상(  
2017. 10.25)

약어/용어	용어풀이	한글 용어 및 작용설명	참조
3PG	3-Phosphoglyceric acid	해당작용과 캘빈회로의 대사 중간생성물	특9-5
ADAM22	A Disintegrin And Metalloproteinase domain-containing protein 22 (A Disintegrin And Metalloprotease domain family)		특9-5
ADP	Adenosine Diphosphate		특9-5
ALS	Amyotrophic lateral sclerosis	근위축성측색경화증, 루게릭병	특9-5
AMPAr	$\alpha$ -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor	AMPA 수용체	특9-5
Ankyrin G(AnkG)	a family of adaptor proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane cytoskeleton.		특9-5
Arg	Arginine, an $\alpha$ - amino acid		특9-5
Arp 2/3	Actin Related Protein 2 & 3	major role in the regulation of the actin cytoskeleton	특9-5
Asp	Aspartic acid, an amino acid		특9-5
Astrocyte cell		성상교세포/별아교세포	특9-5
C32	c-terminal no. 32		특9-5
capZ	actin capping protein of muscle		특9-5
CASPR2	Contactin-associated protein 2	neurexin family	특9-5
CDC42	cell division control protein 42 homolog	Rho family	특9-5
CDK5	cell division protein kinase 5		특9-5
CH2		아크릴로기	특9-5
CNS	central nervous system		특9-5
CoA	coenzyme A		특9-5
cofilin	a family of actin binding protein which disassembles actin filaments	코 필린	특9-5
Cys	cysteine		특9-5
den.	dendrite		특9-5
doublet	doublet microtubule	이중체	특9-5
Dynein	a family of cytoskeletal motor proteins that move along microtubules in cells	미소세관 (-) 방향 모터 단백질	특9-5

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dystrophin	a rod-shaped cytoplasmic protein, and a vital part of a protein complex that connects the cytoskeleton of a muscle fiber to the surrounding extracellular matrix through the cell membrane	디스트로핀	특9-5
F-actin	filamentous actin		특9-5
FAD	Flavin adenine dinucleotide		특9-5
FADH2	reduced Flavin adenine dinucleotide	hydroquinone form	특9-5
filamin	protein that holds two actin filaments at large angles		특9-5
filopodia	thin, actin-rich plasma-membrane protrusions that function as antennae for cells to probe their environment	사상위족(실모양의 위족)	특9-5
fimbrin	<b>known as a plastin 1</b> /a protein that in humans is encoded by the PLS1 gene. Fimbrin is an actin cross-linking protein important in the formation of filopodia.	핌브린	특9-5
formin	a group of proteins that are involved in the polymerization of actin and associate with the fast-growing end (barbed end) of actin filaments.		특9-5
G6p	Glucose 6-phosphate(+Robison ester)		특9-5
G-actin	globular actin		특9-5
GDP	Guanosine diphosphate		특9-5
gelsolin	an actin-binding protein that is a key regulator of actin filament assembly and disassembly		특9-5
Gln	Glutamine		특9-5
Glu	Glutamate		특9-5
Gly	Glycine		특9-5
GSK3β	glycogen synthase kinase 3 β		특9-5
GTP	Guanosine triphosphate		특9-5
Katanin	a microtubule-severing AAA protein		특9-5
Kf	fast K <sup>+</sup> channels		특9-5
Kinesin	a protein belonging to a class of motor proteins found in eukaryotic cells	액틴필라멘트 절단단백질	특9-5
Ks	slow K <sup>+</sup> channels		특9-5
Kv1	Potassium voltage-gated channel subfamily		특9-5
Kv7	Potassium voltage-gated channel subfamily		특9-5
KvN	K channel voltage dependent		특9-5
lamellipodia	a cytoskeletal protein actin projection on the leading edge of the cell	판상위족	특9-5
LPA	Lysophosphatidic acid		특9-5

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LSU	large subunit (of ribosomal RNA)		특9-5
MAG	Myelin-associated glycoprotein		특9-5
MAP2	Microtubule-associated protein 2		특9-5
MBP	myelin basic protein		특9-5
Microglia cell		미세아교세포/ 미세교세포	특9-5
MLCK	Myosin light-chain kinase(MYLK=MLCK)		특9-5
MLCP	Myosin light-chain phosphatase or Myosin phosphatase		특9-5
MOCT	microtubule organizing center		특9-5
MOCT	microtubule organizing center		특9-5
MOG	Myelin oligodendrocyte glycoprotein		특9-5
Myosin LC	Myosin light-chain kinase		특9-5
NAD	nicotinamide adenine dinucleotide		특9-5
NADH	reduced nicotinamide adenine dinucleotide		특9-5
Nap	persistent Na <sup>+</sup> channels		특9-5
Nat	transient Na <sup>+</sup> channels		특9-5
NaV	Na channel voltage dependent		특9-5
NF186	neurofascin 186		특9-5
NFT	neuro fibrillary tangle		특9-5
NH2		아미노기	특9-5
NMDAr	N-methyl-D-aspartate receptor		특9-5
node of Ranvier	microscopic gap found within myelinated axons	랑비에 결절	특9-5
NrCAM	neuronal cell adhesion molecule		특9-5
OH	hydroxide	수산화기	특9-5
Oligo- dendrocyte	Their main functions are to provide support and insulation to axons in the central nervous system of some vertebrates, equivalent to the function performed by Schwann cells in the peripheral nervous system.	히돌기세포/히 소돌기아교세포	특9-5
Par6	Protease-activated receptors 6		특9-5
PDGFR	platelet-derived growth factor receptor		특9-5
PEP	Phosphoenolpyruvic acid		특9-5
pericentriolar material(PCM )	an amorphous mass of protein which makes up the part of the animal centrosome that surrounds the two centrioles.	미세소관을 만 드는 원물질 (센 터)	특9-5
Phe	Phenylalanine or F		특9-5
PHF	paired helical filaments		특9-5
pi	phosphate		특9-5
PLP	proteolipid protein		특9-5

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PMP22	peripheral myelin protein 22		특9-5
PNS	peripheral nervous system		특9-5
PO3	Propylene oxide 3	인산기	특9-5
profilin	actin-binding protein		특9-5
PSD-95	postsynaptic density protein 95 = SAP90(synapse-associated protein 90)		특9-5
Rac	a subfamily of the Rho family of GTPases		특9-5
Rac kinase	RAC(small GTP-binding protein)		특9-5
Rho	family of GTPases/family of small (~21 kDa) signaling G proteins/ a subfamily of the Ras superfamily		특9-5
Schwann cell	the principal glia of the peripheral nervous system (PNS).	슈반세포	특9-5
SER	smooth endoplasmic reticulum		특9-5
singlet	singlet microtubule	단량체	특9-5
spectrin	membrane associated dimeric protein	cytoskeletal protein 중 하나	특9-5
SSU	small subunit (of ribosomal RNA)		특9-5
thymosin $\beta$ 4	a protein that in humans is encoded by the <i>TMSB4X</i> gene.	Actin binding 단백질	특9-5
triplet	triplet microtubule	삼중체	특9-5
tropomodulin	a protein which binds and caps the minus end of actin (the "pointed" end), regulating the length of actin filaments in muscle and non-muscle cells.		특9-5
Tyr	Tyrosine		특9-5
WASP	<u>Wiskott–Aldrich Syndrome protein (WASp)</u> is a 502-amino acid protein expressed in cells of the hematopoietic system		특9-5
WAVE	Wiskott–Aldrich syndrome protein		특9-5
$\alpha$ -actinin	necessary for the attachment of actin filaments to the Z-lines in skeletal muscle cells, and to the dense bodies in smooth muscle cells		특9-5