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ABBREVIATIONS

4E-BP1	eukaryotic initiation factor 4E binding protein 1
AED	antiepileptic drug
AMOG	adhesion molecule on glia (Na+/K+-ATPase β2)
BBB	blood-brain barrier
CCT	cation-Cl^--cotransporter
CD	cluster differentiation
CNS	central nervous system
CPS	complex partial seizures
CSF	cerebral spinal fluid
DCX	doublecortin
DNT	dysembryoplastic neuroepithelial tumor
EcoG	electrocorticography
eIF4	eukaryotic initiation factor 4
ERM	ezrin/radixin/moesin proteins
FCD	focal cortical dysplasia
FRAX	fragile X syndrome
GABA	γ-amino-butyric acid
GE	ganglionic eminences
GFAP	glial fibrillary acidic protein
GG	ganglioglioma
GNT	glioneuronal tumor
GO	gene ontology
GTCS	generalized tonic-clonic seizures
GTP/GDP	guanosine tri/diphosphate
GW	gestational weeks
HE	hematoxylin eosin
HLA	human leukocyte antigen
HMEG	hemimegalencephaly
HS	hippocampal sclerosis
iGluR	ionotropic glutamate receptor
IL	interleukin
ILAE	International League Against Epilepsy
IR	immunoreactivity
KCC2	K^+-CL^--cotransporter
LI	labeling index
MAP	microtubule associated protein
MCD	malformation of cortical development
mGluR	metabotropic glutamate receptor
MHC	major histocompatibility complex
MRI	magnetic resonance imaging
mTOR	mammalian target of rapamycin
NeuN	neuronal nuclear antigen
NF	neurofilament
NKCC1	Na^+-K^+-$2Cl^-$-cotransporter

p70S6k	ribosomal protein S6 kinase
PBS	phosphate-buffered saline
PDK1	phosphoinositide-dependent protein kinase 1
Pi3K	phosphatidylinositol-3 kinase
Rheb	RAS homoloque enriched in brain
RIN	RNA integrity number
RT-PCR	real-time polymerase chain reaction
S6	ribosomal S6 protein
SAGE	serial analysis of gene expression
SEGA	subependymal giant cell astrocytoma (synonym SGCT)
SEN	subependymal nodule
SGCT	subependymal giant cell tumor (synonym SEGA)
SGS	secondary generalized seizures
SVZ	subventricular zone
TNF	tumor necrosis factor
TLE	temporal lobe epilepsy
TS	tonic seizures
TSC1	hamartin
TSC2	tuberin
TSC	tuberous sclerosis complex
VEGF	vascular endothelial growth factor
VZ	ventricular zone