

Table S1. Antibodies Used for Immunblot Analysis

Antibody	Source
A β (4G8)	Covance
α -tubulin	Sigma-Aldrich
BACE1	Millipore
β -actin	Sigma-Aldrich
Calcineurin	Cell Signaling Technology
Calpain-1	Cell Signaling Technology
CaMKII α	Chemicon
Cleaved caspase-3	Cell Signaling Technology
Cdk5	Santa Cruz Biotechnology
Cdk5	Dr. Li-Huei Tsai's lab
Phospho-DARPP-32 (Thr34)	Cell Signaling Technology
Phospho-DARPP-32 (Thr75)	Cell Signaling Technology
Total-DARPP-32	Cell Signaling Technology
GAPDH	Santa Cruz Biotechnology
GFAP	Sigma-Aldrich
GFP	Invitrogen
Phospho-GluA1 (Ser831)	Millipore
Phospho-GluA1 (Ser845)	Millipore
Total-GluA1	Abcam
GluN2A	Covance
GluN2B	NeuroMab
HA-probe	Santa Cruz Biotechnology
HDAC2	Santa Cruz Biotechnology
Ach3 (H3K9/14)	Millipore
Iba-1	Synaptic Systems
NeuN	Millipore
p35	Dr. Li-Huei Tsai's lab
p39	Dr. Li-Huei Tsai's lab
PP1	Santa Cruz Biotechnology
PSD-95	Upstate
Synaptophysin	Sigma-Aldrich

Table S2. Primers Used in This Study and the Corresponding Sequences

Primer name	Primer sequence (5' - 3')
MmutP35-NheI	GGATGCTAGCGTCGACATGGGCACGGTGCTGTCCCTATC
MmutP35-4xh	GAGAATTCTCACTCGAGCCGATCCAGCCCCAGGAGGAGT
SallHA-F	GATTCCATGCGTCTGACTACCCATACGATGTTCCCTGACT
SalHA-R	GGCCTTAAGTGTCTGACAGCGTAATCTGGAACGTCATA
MmutP35-2	CGAACGTTATGCCGGCGGGGGCTGGAGACAGGACAGCGACTT CTTCAGGTTT
MmutP35-3	CAGCCCCCGCCGGCTCAGCCGC
M-p35-200bp-F	TTATACGAATGCGGCCGCGCCCCTGTAGCCGGTATCCTGGCT CAAGGAT
M-p35-200bp-R	ATTACTTACCGCGGCAGTCCCTTGAGTCCCGGAAAGTGA
P35L_out	AAGGAATCAAGCGGCCGCGATATCCAGGACAGGACCCTAGTC AGGAGCTGGTTTGAATTCTTG
P35L_in	TCAGGAGCTGGTTTGAATTCTTGCCCTTCTCAATTACGACTCGA GATCTGAGTCCGGAAGTGT
P35S_out	GGGGTACCGCTCCGTGTCAGACCATCTGAGGGCCCAGGATCG GCTCTTAGGAACCCGGAT
P35S_in	GATCGGCTCTCTAGGAACCCGGATGACTCGAGATGGTGAGCA AGGGCGAGGAGC
Neo_F	TTGTCTGAGTAGGTGTCATTCTA
Neo_R	CCGGACGTGAGTCGTTTCGGAACGT
3UTR-SeqF	GCCCTTCCTGGTAGAGAGAGCTGT
3UTR-SeqR	GTTGGAGGACCTGGACTCAG
P35_P1-F	GGTAAGAAACAGGCTGTAGTTCT
P35_P1-R	AGAGGCCATGACAACCAAGTCAC
P35_P2-F	TCACATCCTGCTGCCACGGTGA
P35_P2-R	TGTAAAAGCAACAAGAATAAAG
p35KI-F	GTCAGGAGGACAAGAAGCGACTCCT
p35KI-R	CCGGACGTGAGTCGTTTCGGAACGT
Mm-p35 ForMID	GCGCTCCAGGCGTCCACTAGTGAGCTGCT
Mm-p35 RevMID	GCGCCGGCAGAGAACTCACCCAGGCAG
p35-1131-F	AGGCTGTCCTGCTGACCTG
p35-1495-R	GCCCTTGGTGGCTCTGCTA
TNF- α -F (qPCR)	AGCACAGAAAGCATGATCCG
TNF- α -R (qPCR)	GGAGTAGACAAGGTACAACC
Il-1 β -F (qPCR)	ACCTGCTGGTGTGTGACGTTT
Il-1 β -R (qPCR)	CAGCACGAGGCTTTTTTGTGTTGT
MIP-1 α -F (qPCR)	TTGAGCCCCGGAACATTC
MIP-1 α -R (qPCR)	GCAGCAAACAGCTTATAGGAGATG