

**Supplementary Table 1 Primer sequences used for this study**

<b>Targeted Genes</b>	<b>Forward Primer Sequences (5'-3')</b>	<b>Reverse Primer Sequences (5'-3')</b>
<b>GAPDH</b>	AACGGCACAGTCAAGGCTGA	ACGCCAGTAGACTCCACGAC AT
<b>NTF-3</b>	GACAACAATGTGACTCCACTG	GCAGCCTTCATGCAACCGAA
<b>SATB1</b>	ACGCCTCCATTTATGACGA	CTCCCACAGGGTTCTGTTTT
<b>BDNF</b>	TGTCGCACGGTCCCCATT	TCACCTGGTGGAACCTCAGGGT
<b>NGF</b>	GTTTTGCCAAGGACGCAGCTT TC	GTTCTGCCTGTACGCCGATCA A
<b>GAP-43</b>	GAGGAGCCTAAACAAGCCGA	GGCTTCATCTACAGCTTCTTTC T
<b>HuD</b>	GCTCAAAGATTCAGGCTGGAC	CCGTCAATGGTGATTGGGGA
<b>Neuroserpi n</b>	ACAATCTTATTCATGGGACG	TTTGCTACTGCTGCCTTT

**Supplementary Table 2 Antibodies involved in this study**

Name	Catalog#	Manufacturer	Country	Species	Isotype
Anti-Active Caspase-3	AB32042	Abcam	USA	Rabbit	IgG
Anti-PGP9.5	AB8189	Abcam	USA	Mouse	IgG2a
Anti-Bax	AB32503	Abcam	USA	Rabbit	IgG
Anti-HuD	A21271	Thermo Fisher	USA	Mouse	IgG2b kappa
Isotype control	11-4732-42	Thermo Fisher	USA	Mouse	IgG2b kappa
Anti-Caspase9	9505	CST	USA	Rabbit	IgG
Anti-AKT	9272	CST	USA	Rabbit	IgG
Anti-phospho-AKT	66444-1-Ig	Proteintech	Wuhan, China	Mouse	IgG1
FITC Goat Anti-Rabbit	AS011	Abclonal	Wuhan, China	Goat	IgG
TRITC Goat Anti-Mouse	AS026	Abclonal	Wuhan, China	Goat	IgG
FITC Goat Anti-Mouse	AS001	Abclonal	Wuhan, China	Goat	IgG
Cy3 Goat Anti-Rabbit	AS007	Abclonal	Wuhan, China	Goat	IgG
HRP Goat	AS003	Abclonal	Wuhan,	Goat	IgG

Anti- Mouse HRP	Goat	AS014	Abclonal	China Wuhan, China	Goat	IgG
Anti- Rabbit Anti- SATB1		A23147	Abclonal	Wuhan, China	Rabbit	IgG
Anti-PI3K		A22730	Abclonal	Wuhan, China	Rabbit	IgG
Anti- GAPDH		AC033	Abclonal	Wuhan, China	Mouse	IgG1
Anti-Bcl-2		A21592	Abclonal	Wuhan, China	Rabbit	IgG

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