List of Abbreviations

BDNF **-:** Brain derived neurotrophic factor

BSA **-:** Bovine serum albumin

CNS **-:** Central nervous system

DAPI **-:** 4',6-diamidino-2-phenylindole

DMEM **-:** Dulbecco's Modified Eagle Medium

ERK **-:** Extracellular signal–regulated kinases

FGF **-:** Fibroblast growth factor

FITC **-:** Fluorescein isothiocyanate

GAPDH **-:** Glyceraldehyde 3-phosphate dehydrogenase

GFAP **-:** Glial fibrillary acidic protein

HCL **-:** Hydrochloric acid

ICC **-:** Immunocytochemistry

kDa **-:** Kilo Dalton

MAPK **-:** Mitogen activated protein kinase

MBP **-:** Myelin Basic protein

MS **-:** Multiple Sclerosis

NGF **-:** Nerve growth factor

NT3 **-:** Neurotrophin 3

NT4/5 **–:** Neurotrophin 4/5

O4 **-:** Antigen O4

OLG **-:** Oligodendrocyte

OPC **-:** Oligodendrocyte progenitor cell

PAGE **-:** Polyacrylamide gel electrophoresis

PBS **-:** Phosphate buffer saline

List of Abbreviations

PDGF **-:** Platelet-derived growth factor

PDGFRα **-:** Platelet-derived growth factor receptor-alpha

PLL **-:** Poly-L-lysine

PLP **-:** Proteolipid protein

$P75^{NTR}$ **-:** Neurotrophin receptor P^{75}

SVZ **-:** Subventricular zone

TBS **-:** Tris buffered saline

TBST **-:** Tris buffered saline, 0.1% Tween 20

TRITC **-:** Tetramethylrhodamine

TRK **–:** Tyrosine kinase receptor

TrkA **-:** Tyrosine kinase receptor A

TrkB **-:** Tyrosine kinase receptor B

TrkC **-:** Tyrosine kinase receptor C

βActin **-:** Beta actin