

List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
A β ₄₂	AD-associated amyloid beta peptide 42
AD	Alzheimer's Disease
ALS	Amyotrophic Lateral Sclerosis
APC	Anaphase Promoting Complex
APP	Amyloid Precursor Protein
ATP	Adenosine Triphosphahate
Bax	Bcl-2-Associated X Protein
BBB	Blood Brain Barrier
BSA	Bovine Serum Albumin
CAG	Cytosine Adenine Guanine
CAP	Chaperone-Assisted Proteasomal Degradation
CASA	Chaperone-Assisted Selective Autophagy
CAT	Chloramphenicol-Acetyltransferase
CFTR	Cystic Fibrosis Transmembrane Conductance Regulator
CHIP	C-terminus of Hsp70 Interacting Protein
CMA	Chaperone-Mediated Autophagy
COX1	Cyclooxygenase 1
d1EGFP	Destabilized Enhanced Green Fluorescent Protein
DAPI	4',6-Diamidino-2-Phenylindole
DMEM	Dulbecco's Modified Eagle's Medium
DMSO	Dimethyl Sulphoxide
DNA	Deoxyribonucleic Acid
DUB	Deubiquitinating Enzymes
EDTA	Ethylene Diamine Tetra Acetate
ER	Endoplasmic Reticulum
FACS	Fluorescence-Activated Cell Sorting
FDA	Food and Drug Administration
FITC	Fluorescein Isothiocyanate
FUS	Fused In Sarcoma
GFP	Green Fluorescence Protein
H ₂ O ₂	Hydrogen Peroxide
HA	Hemagglutinin
HD	Huntington's Disease
HECT	Homologous to E6-AP Carboxyl Terminal
HMGCR	3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase
HSE	Heat Shock Regulatory Element
HSF1	Heat-Shock Transcription Factor 1
Hsp70	Heat Shock Protein 70
Htt	Huntingtin Protein
I κ B- α	Inhibitor of Kappa B- alpha
IAPP	Islet Amyloid Polypeptide
JC-1	5,5',6,6'-Tetrachloro-1,1',3,3'-Tetraethylbenzimidazolocarboyanine Iodide
kDa	Kilo Dalton
Lamp2	Lysosome-Associated Membrane Protein 2
LC3	Microtubule-Associated Protein 1A/1B-Light Chain 3
mRNA	Messenger Ribonucleic Acid
MTT	3-(4, 5-Dimethylthiazol-2-yl)-2, 5-Diphenyltetrazoliumbromide
MTOC	Microtubule-Organizing Centre
NAC	N-Acetylcysteine
NF- κ B	Nuclear Factor Kappa Beta
NRF2	Nuclear factor erythroid 2-related factor 2
NSAIDs	Nonsteroidal Anti-Inflammatory Drugs
p53	Tumor Suppressor Protein 53

PBS	Phosphate Buffered Saline
PCR	Polymerase Chain Reaction
PDB	Protein Data Bank
PGPH	Post-Glutamyl Peptide Hydrolase
PINK1	PTEN-Induced Putative Kinase 1
PHD	Plant Homeodomain
PQC	Protein Quality Control
RAGE	Receptor for Advanced Glycation End Products
RING	Really Intereting New Gene
SAG	Sensitive to Apoptosis Gene
SCA	Spinocerebellar Ataxia
SCF	Skp1-Cullin-F-Box
SD	Standard Deviation
SDS-PAGE	Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis
S.N.	Serial Number
SOD1	Superoxide Dismutase 1
SQSTM1	Sequestosome 1
TBST	Tris-Buffered Saline with Tween-20
TDP43	TAR DNA-Binding Protein 43
TUNEL	Terminal Deoxynucleotidyl Transferase dUTP Nick End-Labeling
Ub	Ubiuitin
Ubr1	Ubiquitin Protein Ligase E3 Component N-Recognin 1
UPS	Ubiquitin Proteasome System
ZNRF1	Zinc and Ring Finger 1