

Method for identifying compound which modulate activity of a multiple lineage kinase protein and promotes cell survival or cell death comprising the steps of contacting the cell containing the multiple lineage kinase protein with the compound, determining whether the compound decreases activity of the multiple lineage kinase protein, and determining whether the compound promotes cell survival or cell death are provided. Method for identifying compounds which may be useful in the treatment of neurodegenerative disorders and/or inflammation are also provided. Methods for modulating the activity of a multiple lineage kinase protein comprising contacting the protein or a cell containing the protein with a compound of the invention are also provided.