

Resource Summary Report

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Biochemical Measures of Neuropathy - Western Blot Stripping

DOI:10.17504/protocols.io.3s3gngn

Type: Protocol

Proper Citation

Eva Feldman 2019. Biochemical Measures of Neuropathy - Western Blot Stripping. protocols.io dx.doi.org/10.17504/protocols.io.3s3gngn

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.3s3gngn>

Authors: Eva Feldman

Group: Diabetic Complications Consortium

Summary: Summary:Oxidative stress is highly correlated with the metabolic changes caused by hyperglycemia. Increased levels of glucose overload mitochondria and result in the production of reactive oxygen species (ROS). In addition, the flow of excess glucose through cellular pathways decreases the cell's normal ability to detoxify ROS. As a result, the neurons and axons of the peripheral nervous system contain increased levels of ROS and decreased antioxidant capacity. The following assays are used to measure these changes in rodent models of diabetic neuropathy. Diabetic Complication:

Affiliations: University of Michigan - Ann Arbor

External URL: <https://www.diacomp.org/shared/document.aspx?id=54&docType=Protocol>

Version: 1

Publication Date: 2019

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