

脳卒中易発症ラット中のメバロン酸ニリン酸脱炭酸酵素は 2週齢から減少する

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Mevalonate Pyrophosphate Decarboxylase in Stroke-Prone Spontaneously Hypertensive Rat is Reduced from the Age of Two Weeks

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ABSTRACT: We carried out a comparison of tissue distribution of mevalonate pyrophosphate decarboxylase (MPD) between normotensive Wistar Kyoto rat (WKY) and stroke-prone spontaneously hypertensive rat (SHRSP) using Western blotting. However, there was no difference in tissue distribution of MPD between WKY and SHRSP, except in brain and liver. We then compared the MPD between WKY and SHRSP liver at several weeks of age. We found that MPD in the liver as well as brain of SHRSP was significantly reduced from two weeks of age. This data is useful to identify or understand the mechanism underlying the reduced amount of MPD in SHRSP.

抄録 正常血圧ラット (WKY) と脳卒中易発症ラット (SHRSP) を用いて、メバロン酸ニリン酸脱炭酸酵素(MPD)の組織含量の比較を行い、違いが認められた組織において週齢の比較を行った。その結果、SHRSPのMPDは脳と同様肝においても2週齢から著しく減少することが明らかになった。

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