

实验报道

日本血吸虫成虫蛋白质的性别差异性研究

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摘要 目的 研究日本血吸虫成虫蛋白质表达的性别差异性。方法 利用双向电泳技术对日本血吸虫中国大陆株雌雄虫体蛋白质进行电泳分析。结果 在 43kDa ,pI 5 .6 0~ 5 90处 ,雄虫有一条长度和宽度均超过雌虫并由多个斑点连在一起组成的条带 ,并有 3个较雌虫大的斑点 ;雌虫有 7个特异性斑点 ,且有一处较雄虫深的着色区。结论 血吸虫成虫蛋白质表达有性别差异性。

关键词 [日本血吸虫](#) [双向电泳](#) [蛋白质组学](#) [性别差异性](#)

分类号

Studies on the Sex Difference in Proteins Between Male and Female Adult Worm of Schistosoma japonicum

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Abstract Objective To explore the sex difference in proteins between male and female adult worm of Schistosoma japonicum . Methods Two electrophoresis was used to analyse the difference of protein between the male and female adult worm of S. japonicum (Chinese strain). Results Two dimensional electrophoresis analysis revealed that at the site of 43 kDa and an isoelectric point (pI) of 5.60-5.90 the male worm exhibited a band carrying a number of spots and dots, being longer and wider than that exhibited by the female worm. The female worm exhibited 7 specific dots. Conclusion The sex differences in proteins between male and female adult worms of S.japonicum are significant. Key words [Schistosoma japonicum](#) [two dimensional electrophoresis](#) [proteomics](#) [sex difference](#)

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