

# 云南10个民族红细胞酸性磷酸酶型分布调查

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摘要 用淀粉凝胶电泳法对云南省汉族及9个少数民族的红细胞酸性磷酸酶(ACP1)的表型分布进行了调查, 检出A、BA和B 3种表型, 计算得云南汉、彝、白、傣、瑶、佤、哈尼、布朗、基诺和拉祜族ACPA1、ACPB1的基因频率依次为0.2067、0.7933; 0.2406、0.7594; 0.2341、0.7659; 0.3750、0.6250; 0.2300、0.7700; 0.272、0.7273; 0.3594、0.6406; 0.3036、0.6964; 0.2381、0.7619和0.4474、0.5526。未发现ACPC1基因及其它稀有基因。研究表明, ACP1 表型的分布存在着一定的种族与民族差异。

关键词 [红细胞酸性磷酸酶](#), [基因频率](#), [表型分布](#), [民族](#), [电泳](#)

分类号

## Distribution of Phenotypes of ACP in Ten Ethnic Groups in Yunnan of China

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### Abstract

The distribution of phenotypes of red cell phosphatase (ACP) in ten ethnic groups in Yunnan Province was investigated by starch gel electrophoresis. Three phenotypes A, in AB and B were found. The gene frequencies of ACPA and ACPB in Han, Yi, Bai, Dai, Yao, Wa, Hani, Bulang, Jino and Lahu were 0.2067, 0.7933; 0.2406, 0.7594; 0.2341, 0.7659; 0.3750, 0.6250; 0.2300, 0.7700; 0.2727, 0.7273; 0.3594, 0.6406; 0.3036, 0.6964; 0.2381, 0.7619; and 0.4474, 0.5526, respectively. The ACPC gene and other rare genes were not found. The analysis showed that the distribution of phenotypes of ACP<SUB>1</SUB> have some differences in different races and ethnics.

Key words [ACP \(EAP\)](#), [Gene frequency](#), [Phenotpe distribution](#), [Ethnic](#), [Electrophoresis](#)

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