

## SPARC蛋白在食管鳞癌组织中的表达及临床意义

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## SPARC Protein Expression and Clinical Significance in Esophageal Squamous Cell Carcinoma

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- 摘要
- 参考文献
- 相关文章

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### 摘要

#### 目的

探讨酸性富含半胱氨酸分泌型蛋白(SPARC)在食管鳞癌组织中的表达及临床意义。方法免疫组织化学法检测200例食管鳞癌及癌旁

组织中SPARC蛋白的表达,分析其与食管癌患者临床特征的关系。结果200例食管癌标本162例表达(+ / ++),38例表达(-)。所有癌旁

正常组织均表达(-),两者差异有统计学意义( $P < 0.01$ )。SPARC蛋白阳性表达颗粒大都定位于细胞间质、仅21例标本SPARC蛋白阳性

表达颗粒可见于食管癌细胞的细胞质。食管癌组织中SPARC蛋白的表达与分期、转移相关,差异有统计学意义( $P < 0.05$ )。分期越

晚,SPARC蛋白阳性表达率越高。在有转移的患者SPARC蛋白阳性表达率高;与性别、年龄、分化程度、浸润深度、相关生活习惯(烟

酒、喜食腌制食品等)、家族史等均无相关性,差异无统计学意义( $P > 0.05$ )。结论食管癌组织中SPARC蛋白的表达可作为预测食管鳞

癌分期、转移的指标之一。

**关键词:** 酸性富含半胱氨酸分泌型蛋白 食管鳞癌 转移 免疫组织化学

### Abstract:

#### Objective

To investigate the role of secreted protein acidic and rich in cysteine(SPARC)in invasion,metastasis of esophageal squamous cell carcinoma(ESCC).MethodsThe differential protein expression of SPARC between esophageal

squamous cell carcinoma and its corresponding normal esophageal mucosa was detected by immunohistochemistry(IHC)

analysis.And the relationship between the expression of SPARC and invasion,metastasis was analyzed.Results

Positive expression(+ / ++ ) of SPARC protein was detected in one hundred sixty-two cases,

and negative expression(-) was detected in 38 cases.The expression of SPARC protein was significantly

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upregulated

in ESCC compared to that in corresponding normal esophageal mucosa( $P<0.01$ ).SPARC was positive expression in tumor

stromal in most cases.High levels of SPARC in tumor cytolymph could be seen in few cases(21 cases).And the immunoactivity was detected mainly in the cancer cells localized at the tumor-stroma interface.SPARC protein expression and stage,metastasis was correlated significantly( $P<0.05$ ).The SPARC protein expression was higher in

patients with later stages metastasis,and was not related with gender,age,differentiation,depth of invasion,related habits (drinking,eating pickled foods,etc.),family history,etc( $P>0.05$ ).Conclusion SPARC expression as a marker can be used to predict stage and metastasis of ESCC.

**Key words** : Secreted protein acidic and rich in cysteine)" href="#">

Secreted protein acidic and rich in cysteine carcinoma)" href="#">Esophageal squamous cell carcinoma Metastasis Immunohistochemistry

收稿日期: 2011-10-24;

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引用本文:

杨锡贵,姜超,刘封等. SPARC蛋白在食管鳞癌组织中的表达及临床意义[J]. 肿瘤防治研究, 2012, 39(10): 1240-1242.

Yang Xigui,Jiang Chao,Liu Feng et al. SPARC Protein Expression and Clinical Significance in Esophageal Squamous Cell Carcinoma[J]. Cancer Research on Prevention and Treatment, 2012, 39(10): 1240-1242.

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