

## 小鼠抗 SERPINB3 单克隆抗体

中文名称: 小鼠抗 SERPINB3 单克隆抗体

英文名称: Anti-SERPINB3 mouse monoclonal antibody

别名: HsT1196; SCC; SCCA-1; SCCA-PD; SCCA1; T4-A

抗原: SERPINB3

储存: 冷冻 (-20°C) 避光

宿主: Mouse

反应种属: Human

相关类别: 一抗

标记物: Unconjugate

克隆类型: mouse monoclonal

### 技术规格

**Background:**

Metastasis of a primary tumor to a distant site is determined through signaling cascades that break down interactions between the cell and extracellular matrix proteins. Among the proteins mediating metastasis are serine proteases, such as neutrophil elastase. In 1985, Dr. Jim Travis and Dr. R.W. Carrell designated an emerging family of serine protease inhibitors as the serpin family, which share homology in both primary amino acid sequence and tertiary structure. Serpins contain a stretch of peptide that mimics a true substrate for a corresponding serine protease. Serine proteases bind to this substrate mimic in a 1:1 stoichiometric fashion and become catalytically inactive. Aberrant expression of

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|---------------------------------|---|
|                                 | <p>f serpin family members can contribute to a number of conditions, including emphysema (<math>\alpha</math>-1 antitrypsin deficiency), fatal bleeding (elastase to thrombin specificity) and thrombosis (antithrombin deficiency), and are indicators of cancer stage phenotypes (circulating levels of squamous cell carcinoma antigen, known as SCCA1, increase in advancing stages of some cervical, lung, esophageal and head and neck cancers). Human chromosome position 18q21.3 contains a cluster of serpins, including a tandem duplication of the SCCA gene, plasminogen activator inhibitor type 2, and maspin. SCCA is transcribed by two nearly identical genes (SCCA1 and SCCA2), and is mainly produced as SCCA1. The human SCCA1 gene encodes a 390 amino acid protein that was originally isolated from a metastatic cervical squamous cell carcinoma.</p> |
| <b>Applications:</b>            | WB, IF  |
| <b>Name of antibody:</b>        | SERPINB3  |
| <b>Immunogen:</b>               | Fusion protein of human SERPINB3  |
| <b>Full name:</b>               | serpin peptidase inhibitor, clade B (ovalbumin), member 3 (SERPINB3)  |
| <b>Synonyms:</b>                | HsT1196; SCC; SCCA-1; SCCA-PD; SCCA1; T4-A  |
| <b>SwissProt:</b>               | P29508  |
| <b>WB Predicted band size:</b>  | 45 kDa  |
| <b>WB Positive control:</b>     | COS7 cell lysate  |
| <b>WB Recommended dilution:</b> | 500-2000  |