



Rabbit Anti-Human SERPINB3 Monoclonal Antibody, clone 29 (CABT-Z598R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Immunogen | Recombinant Human SERPINB3/SCCA-1 Protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | 29 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | IP Recommended dilution: IP: 4-8 µL/mg of lysate |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 100 µl |
| Buffer | PBS |
| Preservative | None |
| Storage | Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C. |
| Ship | Wet ice |

BACKGROUND

Introduction

Serpin B3, also known as Squamous Cell Carcinoma Antigen-1 (SCCA1), is a member of the serpin superfamily of serine protease inhibitors. Serpins primarily inhibit serine proteases and some are known to inhibit caspases and papain-like cysteine proteases. Serpin B3 belongs to the subgroup ovalbumin-related serpins which are involved in the regulation of apoptosis, inflammation, angiogenesis and embryogenesis. Serpin B3 was initially isolated from human cervical squamous cell tissue. It is a tumor marker for squamous cell carcinomas in various areas including the cervix, head, neck and lung. Unlike typical serpins, Serpin B3 shows inhibitory activity against papain-like lysosomal cysteine proteases Cathepsin K, L, and S, while lacking inhibitory activity against serine proteases.

Keywords

serpin peptidase inhibitor, clade B (ovalbumin), member 3;Squamous cell carcinoma antigen 1;SCCA1;SCCA-1;HsT1196;SCC

GENE INFORMATION

Gene Name SERPINB3

Entrez Gene ID [6317](#)

UniProt ID [P29508](#)