



# 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

<b>Immunogen</b>	Recombinant Human SERPINB3/SCCA-1 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	29
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IP Recommended dilution: IP: 4-8 µL/mg of lysate
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C.
<b>Ship</b>	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	<a href="#">6317</a>
UniProt ID	<a href="#">P29508</a>