

Anti-Serpin B3 Antibody (3Q78)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3Q78
Purification:	Protein A

Applications

Verified Activity:	<p>SERPINB3 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg A431 Whole Cell Lysate.-4 µL anti-SERPINB3 rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.-Primary antibody:-Anti-SERPINB3 rabbit monoclonal antibody, at 1:100 dilution. <p>-Secondary antibody:</p> <ul style="list-style-type: none">-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 42 kDa.-Observed band size: 42 kDa
Application:	IP
Recommended	IP: 4-8 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SERPINB3 / SCCA-1 Protein (TMPY-02712)
Antigen Species:	Human
Synonyms:	SCCA-PD;SCCA1;serpin peptidase inhibitor, clade B (ovalbumin), member 3;SCCA-1;HsT1196; T4-A;SCC
Biology Area:	Serine Proteases and Regulators

Research Background

SERPINB3, also known as SCCA-1, belongs to the serpin family. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like serine proteases. SERPINB3 is expressed in some hepatocellular carcinoma (at protein level). Its expression is closely related to cellular differentiation in both normal and malignant squamous cells. It seems to also be secreted in plasma by cancerous cells but at a low level. SERPINB3 significantly attenuates apoptosis by contrasting cytochrome c release from the mitochondria and by antichemotactic effect for

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NK cells. It may act as a protease inhibitor to modulate the host immune response against tumor cells and may be involved in the malignant behavior of squamous cell carcinoma cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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