

Anti-Serpin B3 Antibody (2B774)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2B774
Purification:	Protein A

Applications

	Anti-SerpinB3 mouse monoclonal antibody at 1:500 dilution. -Lane A: A431 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary
Verified Activity:	-Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions. -Predicted band size:45 kDa. -Observed band size:45 kDa(We are unsure as to the identity of these extra bands.)
Application:	ELISA,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:1000-1:2000

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 Protein (TMPY-02712)
Antigen Species:	Human
Synonyms:	serpin peptidase inhibitor, clade B (ovalbumin), member 3;T4-A;SCCA-PD;SCCA-1;HsT1196; SCC;SCCA1
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 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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