

Rabbit anti-Human SerpinB3 Polyclonal Antibody

Anti-SerpinB3 Antibody, Rabbit PolyclonalAnti-SerpinB3 Antibody, Rabbit Polyclonal

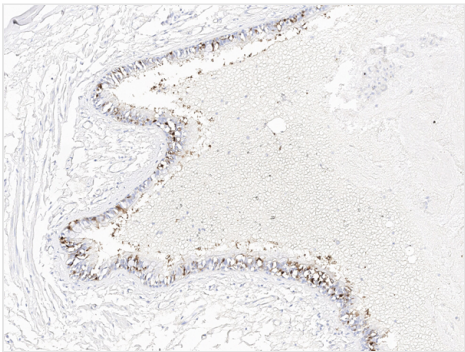
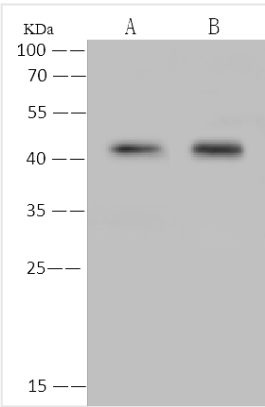
CATALOG # AAA259045	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SerpinB3; Polyclonal Antibody; Anti-SerpinB3 Antibody; Rabbit PolyclonalAnti-SerpinB3 Antibody; Rabbit Polyclonal; serpin peptidase inhibitor; clade B (ovalbumin); member 3; Anti-HsT1196 Antibody; Anti-SCC Antibody; Anti-SCCA-1 Antibody; Anti-SCCA-PD Antibody; Anti-SCCA1 Antibody; Anti-T4-A Antibody; anti-SerpinB3 antibody

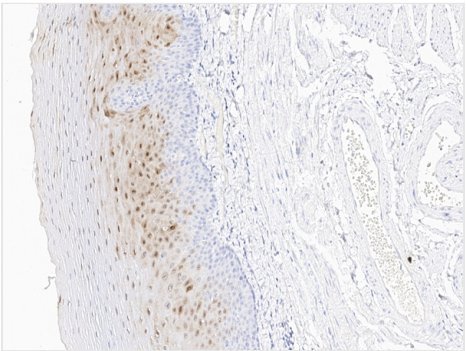
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SerpinB3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinB3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human SerpinB3 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human SerpinB3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human SerpinB3 in human bronchi with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

WB (Western Blot)
Anti-SerpinB3 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: OVCAR3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit 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



IHC (Immunohistochemistry)
Immunochemical staining of human SerpinB3 in human esophagus with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SerpinB3 antibody	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.
References	Schneider SS, et al. (1995) A serine proteinase inhibitor locus at 18q21.3 contains a tandem duplication of the human squamous cell carcinoma antigen gene. Proc Natl Acad Sci. 92(8):3147-51. Suminami Y, et al.. (1992) Squamous cell carcinoma antigen is a new member of the serine protease inhibitors. Biochem Biophys Res Commun. 181(1):51-8. Mino-Miyagawa N, et al. (1990) Tumor-antigen 4. Its immunohistochemical distribution and tissue and serum concentrations in squamous cell carcinoma of the lung and esophagus. Cancer. 66(7):1505-12.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.