

Datasheet for ABIN6938379 **anti-SERPINB3 antibody**

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Overview

Quantity:	100 µg
Target:	SERPINB3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SERPINB3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant human full-length SERPINB3 protein
Clone:	CPTC-SERPINB3-2
Isotype:	IgG1 kappa
Specificity:	Metastasis of a primary tumor to a distant site is determined through signaling cascades that break down interactions between the cell and extracellular matrix proteins. Among the proteins mediating metastasis are serine proteases, such as neutrophil elastase. Serpins are family of serine protease inhibitors, contain a stretch of peptide that mimics a true substrate for a corresponding serine protease. Serine proteases bind to this substrate mimic in a 1:1 stoichiometric fashion and become catalytically inactive. Aberrant expression of serpin family members can contribute to a number of conditions, including emphysema (-1 antitrypsin deficiency), fatal bleeding (elastase to Thrombin specificity) and thrombosis (antithrombin deficiency), and are indicators of cancer stage phenotypes (circulating levels of squamous cell carcinoma antigen, known as SCCA1, increase in advancing stages of some cervical, lung,

Product Details

esophageal and head and neck cancers). SCCA1 expression has been demonstrated to promote oncogenic transformation and epithelial-mesenchymal transition (EMT) in mammary epithelial cells, and its silencing in breast cancer cells has been shown to halt their proliferation.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: SERPINB3

Alternative Name: SERPINB3 ([SERPINB3 Products](#))

Background: HsT1196, Protein T4 A, Protein T4-A, SCC, SCCA-PD, SCCA1, SCCAPD, Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 3, Serpin B3, SERPINB3, Squamous cell carcinoma antigen 1, T4 A, T4-A, Squamous Cell Carcinoma Antigen 1
Cellular localisation: Cytoplasm.

Molecular Weight: 39kDa

Gene ID: 6317, 227948

UniProt: [P29508](#)

Application Details

Application Notes: Known_Application: Western Blot (1-2 µg/mL), Optimal dilution for a specific application should be determined.

Positive_Control: U-2197, HaCaT, Squamous cells. Expressed in some hepatocellular carcinoma.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date: 24 months