

Datasheet for ABIN7126789
anti-SERPINB5 antibody (AA 1-200)



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Overview

Quantity:	100 µg
Target:	SERPINB5
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SERPINB5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human SERPINB5 protein (around aa1-200) (exact sequence is proprietary)
Isotype:	IgG1
Specificity:	Maspin is structurally a serine protease inhibitor (serpin) that was initially isolated from normal human mammary epithelial cells. Serpins are a family of proteins that inhibit Chymotrypsin-like serine proteinases. Serpins control activated proteinases and several are involved in the regulation of cell death. Maspin is found in the extracellular matrix and at the plasma membrane. Maspin has been shown to act at the cell surface to block cell motility and inhibit invasion of breast and prostate cancer cells. Maspin is present in normal mammary epithelial cells but is absent in many tumor cell lines, yet no major structural alterations of the Maspin gene have been identified in tumor cells. Similarly, Maspin is expressed in normal prostate cells and downregulated or absent in prostate tumor cells.

Product Details

Cross-Reactivity (Details): Human.

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

Target Details

Target: SERPINB5

Alternative Name: SERPINB5 ([SERPINB5 Products](#))

Background: Maspin, Ovalbumin, PI-5, PI5, protease inhibitor 5 (maspin), serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5, Serpin B5, serpin family B member 5, Serpin peptidase inhibitor, clade B (ovalbumin), member 5, Spi5, Spi7, SERPINB5 / Maspin
Cellular localisation: Secreted. Extracellular space.

Molecular Weight: 42kDa

Gene ID: 5268, 55279

UniProt: [P36952](#)

Pathways: [p53 Signaling](#)

Application Details

Application Notes: Known_Application: Western Blot (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Positive_Control: Squamous epithelium or gastrointestinal tissue.

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