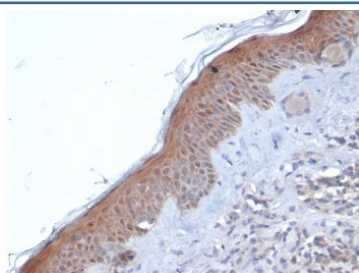


SERPINB5 Antibody / MASPIN [clone SERPINB5/4971] (V4580)

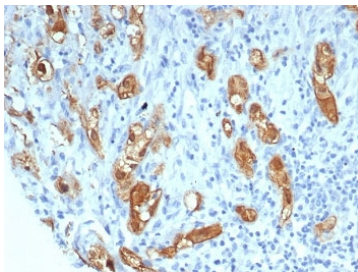
Catalog No.	Formulation	Size
V4580-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4580-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4580SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

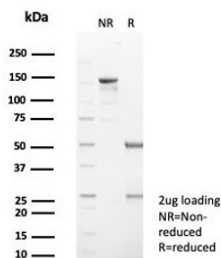
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	SERPINB5/4971
Purity	Protein A/G affinity
UniProt	P36952
Localization	Secreted, Extracellular space
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This SERPINB5 antibody is available for research use only.



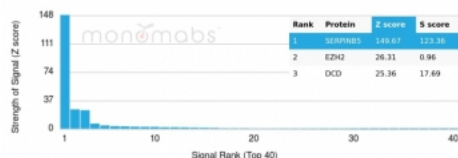
IHC staining of FFPE human skin tissue with SERPINB5 antibody (clone SERPINB5/4971). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung tissue with SERPINB5 antibody (clone SERPINB5/4971). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free SERPINB5 antibody (clone SERPINB5/4971) as confirmation of integrity and purity.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using SERPINB5 antibody (clone SERPINB5/4971). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD) between the Z-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to specific to its intended target, if the mAb has an S-score of at least 2.5. For example, if a mAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that mAb to protein X is equal to 29.

Description

Maspin/Serpinb5 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. Serpinb5 is found in the extracellular matrix and at the plasma membrane. Serpinb5 has been shown to act at the cell surface to block cell motility and inhibit invasion of breast and prostate cancer cells. Serpinb5 is present in normal mammary epithelial cells but is absent in many tumor cell lines, yet no major structural alterations of the Serpinb5 gene have been identified in tumor cells. Similarly, Serpinb5 is expressed in normal prostate cells and downregulated or absent in prostate tumor cells.

Application Notes

Optimal dilution of the SERPINB5 antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human protein (within amino acids 1-200) was used as the immunogen for the SERPINB5 antibody.

Storage

Aliquot the SERPINB5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

