

Datasheet for ABIN272300
anti-SERPINB5 antibody



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Overview

Quantity:	0.1 mg
Target:	SERPINB5
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINB5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of Maspin protein. (region surrounding Thr118)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Purity:	> 95 % pure by SDS-PAGE

Target Details

Target:	SERPINB5
Alternative Name:	SERPINB5 / Maspin (SERPINB5 Products)
Background:	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

Target Details

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. Synonyms: PI-5, PI5, Peptidase inhibitor 5, Protease inhibitor 5, Serpin B5

Molecular Weight: approx. 42 kDa

Gene ID: 5268

NCBI Accession: [NP_002630](#)

UniProt: [P36952](#)

Pathways: [p53 Signaling](#)

Application Details

Application Notes: ELISA: 1: 20000 approx. 1: 40000. WB: 1: 500 approx. 1: 1000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.2., 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: DO NOT FREEZE!

Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.

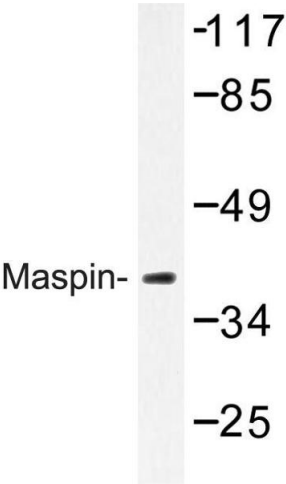


Image 1.