
Anti- Maspin

Cat #: HM1216
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Serpins are a family of proteins that inhibit chymotrypsin-like serine proteinases. They regulate a diverse array of serine and cysteine proteinases associated with fibrinolysis, coagulation, inflammation, cell mobility, cellular differentiation, and apoptosis. Most serpins are secreted and found in blood and extracellular fluids. Maspin is structurally a serine protease inhibitor (serpin) that was initially isolated from normal human mammary epithelial cells. 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. Similarly, maspin is expressed in normal prostate cells and down-regulated or absent in prostate tumor cells.

SPECIFICITY

This antibody reacts with maspin of mouse, rat and human origin by Western blotting and immunohistochemistry.

Recommended dilution for Western blotting: 1:1000.

IMMUNOGEN

A peptide near the amino terminus of human maspin.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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