

**AP09877BT-N****Polyclonal Antibody to SERPINB5 / Maspin - Biotin****Alternate names:**

PI-5, PI5, Peptidase inhibitor 5, Protease inhibitor 5, Serpin B5

**Quantity:**

50 µg

**Background:**

MASPIN is a tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.

**Uniprot ID:**[P36952](#)**NCBI:**[NP\\_002630.2](#)**GeneID:**[5268](#)**Host:**

Rabbit

**Immunogen:**

Highly purified recombinant Human Maspin.

**Format:****State:** Lyophilized (sterile filtered) purified Ig fraction.**Purification:** Affinity Chromatography.**Buffer System:** PBS, pH 7.2 without preservatives.**Label:** Biotin**Reconstitution:** Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.**Applications:**

**Direct ELISA:** To detect Human Maspin by Direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human Maspin.

**Sandwich ELISA:** To detect Human Maspin by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotinylated polyclonal antibody, in conjunction with Affinity purified Anti-Human Maspin (AP09877PU-N or AP09877PU-S) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human Maspin.

**Western Blot:** To detect Human Maspin by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human Maspin is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody recognizes Maspin/SERPINB5.

**Species Reactivity:****Tested:** Human.**Add. Information:**

Centrifuge vial prior to opening.

**Storage:**

Store the antibody prior to reconstitution at -20°C.

Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.