

Anti-MASPIN/SERPINB5 Antibody Picoband® FITC Conjugated

Catalog Number: PB9356-FITC

About SERPINB5

SERPINB5 is also known as PI5 or maspin. Maspin (mammary serine protease inhibitor) is a protein that in humans is encoded by the SERPINB5 gene. Maspin is expressed in the skin, prostate, testis, intestine, tongue, lung, and the thymus. Maspin is a member of the serpin superfamily of serine protease inhibitors.[1] The primary function of most members of this family is to regulate the breakdown of proteins by inhibiting the catalytic activity of proteinases. Through this mechanism of action, serpins regulate a number of cellular processes including phagocytosis, coagulation, and fibrinolysis.

Overview

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| Product Name | Anti-MASPIN/SERPINB5 Antibody Picoband® FITC Conjugated |
| Reactive Species | Human, Mouse |
| Application | Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P36952 |

Technical Details

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| Immunogen | E.coli-derived human MASPIN recombinant protein (Position: M1-A350). Human MASPIN shares 88% and 89% amino acid (aa) sequence identity with mouse and rat MASPIN, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

3 Publications Citing This Product

1. PubMed ID: 10.3892/or_00001069, Effects of shRNA targeting maspin on invasion of gastric carcinoma SGC7901 cell line
2. PubMed ID: 21109985, Yang Y, Shi H, Li X, Yi Y. Oncol Rep. 2011 Jan;25(1):259-65. Effects Of Shrna Targeting Maspin On Invasion Of Gastric Carcinoma Sgc7901 Cell Line.
3. PubMed ID: 26622898, Expression and clinical significance of microRNA-21, maspin and vascular endothelial growth factor-C in bladder cancer

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