

Anti-MASPIN Picoband Antibody

Catalog # ABO12047

Product Information

Application	WB, IHC-P, ICC
Primary Accession	P36952
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Serpin B5(SERPINB5) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5268
Other Names	Serpin B5, Maspin, Peptidase inhibitor 5, PI-5, SERPINB5, PI5
Calculated MW	42100
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Subcellular Localization	Secreted, extracellular space.
Tissue Specificity	Normal mammary epithelial cells.
Source	Eukaryota
Protein Name	Serpin B5
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the serpin family. Ov-serpin subfamily.

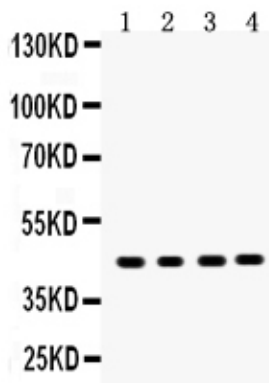
Protein Information

Name	SERPINB5
Synonyms	PI5
Function	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.
Cellular Location	Secreted, extracellular space.
Tissue Location	Normal mammary epithelial cells.

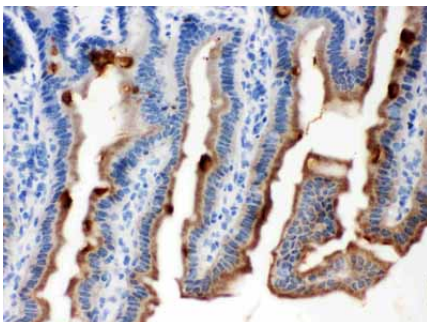
Background

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.

Images

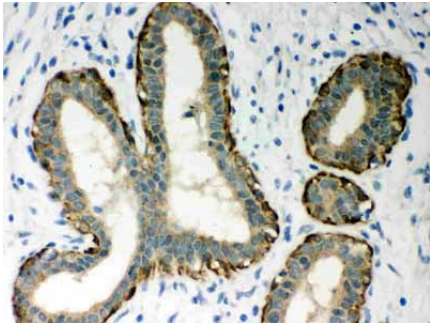
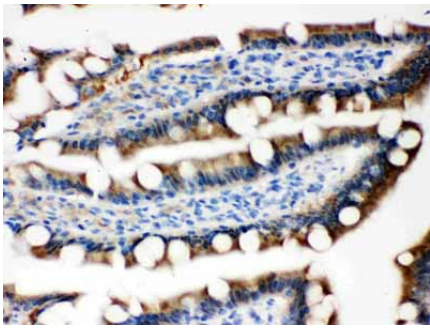


Anti- MASPIN Picoband antibody, ABO12047, Western blotting
All lanes: Anti MASPIN (ABO12047) at 0.5ug/ml
Lane 1: Mouse Intestine Tissue Lysate at 50ug
Lane 2: Human Placenta Tissue Lysate at 50ug
Lane 3: MCF-7 Whole Cell Lysate at 40ug
Lane 4: MM231 Whole Cell Lysate at 40ug
Predicted bind size: 42KD
Observed bind size: 42KD

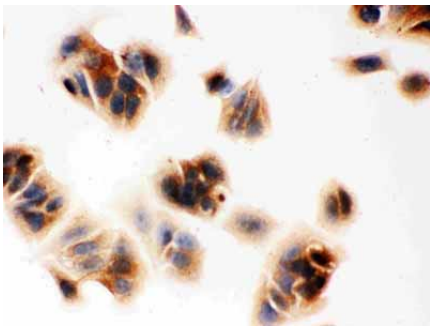


Anti- MASPIN Picoband antibody, ABO12047,
IHC(P)
IHC(P): Mouse Intestine Tissue

Anti- MASPIN Picoband antibody, ABO12047,
IHC(P)
IHC(P): Rat Intestine Tissue



Anti- MASPIN Picoband antibody, ABO12047,
IHC(P)IHC(P): Human Mammary Cancer Tissue



Anti- MASPIN Picoband antibody, ABO12047, ICCICC:
MCF-7 Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.